

Hampden-Sydney
College

Academic Catalog
1980-81



HAMPDEN-SYDNEY



*For more than two centuries,
Hampden-Sydney College has held
true to the ideals of her founders,
educating leader after leader
for country and Commonwealth,
all good men and good citizens
formed in an atmosphere of
sound learning.*

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HAMPDEN-SYDNEY COLLEGE

HAMPDEN-SYDNEY College, a liberal arts college for men now enrolling 740 students, has been in continuous operation since January 1776. The College is the tenth oldest institution of higher learning in the United States and the oldest of the country's few remaining all-male colleges. Hampden-Sydney is affiliated with the Presbyterian Church in the United States.

Hampden-Sydney is fully accredited by the Southern Association of Colleges and Schools and is a member of the Association of Virginia Colleges, the Association of American Colleges, the Southern University Conference, the College Entrance Examination Board, the American Chemical Society, and the College Scholarship Service.

Part of the 566-acre campus, picturesquely set in Virginia's historic southside, 70 miles southwest of Richmond, has been designated an historic preservation zone. Farmville, a town of 6,000, is seven miles north.

The College is reached from airports in Lynchburg and Richmond and from the bus station in Farmville.

Of the College's 19 brick buildings, most of which have been built in the Georgian architectural style, the oldest is Cushing Hall dormitory, built in 1821. Among the newest are the Gilmer Science Center, a modern infirmary-apartment complex, with twelve apartments for married students, faculty, and others, and a set of four cottage-like units for student housing. Also an addition to Eggleston Library, which provides extensive new space for study areas and new acquisitions, was completed in January 1975, and a student activities center was completed in January 1979. The recently completed athletic center includes three basketball courts; handball, racquet ball, and squash courts; and a 25-meter six-lane swimming pool.

Hampden-Sydney is a lively community with a faculty highly motivated and dedicated to teaching. Relatively young, their average age is approximately 41. More than 90 per cent of them hold the Ph.D. There are currently 61 members of the teaching faculty and approximately 740 students for a student-faculty ratio of roughly 12:1. Almost 50 per cent of the graduating seniors enter graduate or professional school.

The endowment portfolio has a market value of approximately \$14 million, including recent gifts of \$2.5 million and \$1.5 million. The operating budget for 1980-81 is \$5 million.

The aims of the College are to give selected men of ability a broad understanding of the world and man's place in it from the standpoint of the sciences and the humanities; to develop clear thinking through linguistic, scientific, and historical studies; to impart a comprehension of man's social institutions as a basis for the exercise of intelligent citizenship in a democracy; to unite sound scholarship with the principles and practice of

the Christian religion; to equip those students with special interests and capacities for graduate study and research; and to instill in its students a commitment to excellence.

Dedicated to the education of humane and lettered men for over two centuries, Hampden-Sydney continues to guard man's right to uphold the ideals of personal and intellectual integrity.

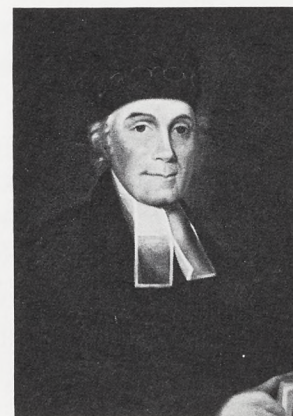
AN HISTORICAL SKETCH

THE early American college, typically a frontier institution, was often a Christian college in character. Hampden-Sydney was no exception and her heritage is deeply rooted in the history of both Colonial America and the Presbyterian Church. However, Hampden-Sydney was not intended to be a sectarian institution; nor has it ever been under the control of a religious body, except for the period 1919-1975, during which the election of the Board of Trustees was nominally in the hands of the Synod of the Virginias of the Presbyterian Church, U.S.

The name Hampden-Sydney was chosen to symbolize the devotion of the founders of the College to the principles of representative government and full civil and religious freedom which John Hampden (1594-1643) and Algernon Sydney (1622-1678) had outspokenly supported and for which they had given their lives in England's two great constitutional crises of the previous century. They were widely invoked as hero-martyrs by American colonial patriots, and their names immediately associated the College with the cause of independence championed by James Madison, Patrick Henry, and other, less well-known but equally vigorous, patriots who composed the College's first Board of Trustees. Indeed, the original students eagerly committed themselves to the revolutionary effort, organized a militia-company, drilled regularly, and went off to the defenses of Williamsburg and of Petersburg, in 1777 and 1778 respectively. The uniform of purple hunting-shirt and gray trousers which they adopted gives the College its traditional colors, garnet and gray.

The College, whose origins go back to 1771, was formally organized in February 1775, when the Presbytery of Hanover, meeting at Slate Hill Plantation, about two miles from the site of the present campus, accepted the gift of the site for the campus, elected Trustees (most of whom were Episcopalian), and named as Rector (later styled President) the Rev. Mr. Samuel Stanhope Smith. The small frame building in which the Presbytery's meeting was held has since been placed on the campus. Mr. Smith, valedictorian of the Princeton class of 1769, had been actively promoting the idea of establishing a college in the heavily Scotch-Irish area of south-central Virginia since he began his ministry there in 1772. Within only ten months, Mr. Smith secured an adequate subscription of funds and an enrollment of 110 students. Intending to model the new college after his own *alma mater*, he journeyed to Princeton to secure the founding faculty, which included his younger brother, John Blair Smith, who succeeded him as President when he was called back to Princeton as Professor of Philosophy (later becoming President) in 1779. On that 1775 trip he also visited Philadelphia to enlist support and to purchase a library and scientific apparatus. Students and faculty began gathering in the fall of 1775, but the official opening of the College was delayed until January 1, 1776. The College has never suspended

Smith



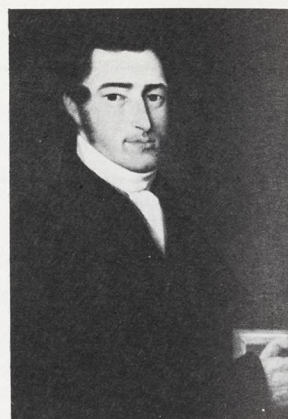
operations. Its viability, severely tested by the war, was both rewarded and ensured by the grant of a Charter from the General Assembly of Virginia in 1783.

In its first fifty years the College prospered and gained the respect of the public and of the educational world. As early as the 1790's its influence was being felt elsewhere, as alumni and former presidents and faculty members began founding or organizing other institutions, including Union College, New York (1795), Princeton Seminary (1806), and the University of Virginia (1819). The Medical College of Virginia was established (1838) at Richmond as the medical department of Hampden-Sydney; Union Theological Seminary of Virginia (1822) was founded at Hampden-Sydney and occupied the south end of the present campus for some seventy-five years before its relocation in Richmond.

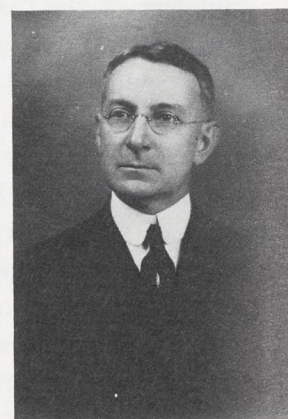
The College matured physically and academically through the first half of the nineteenth century and enjoyed the services of some remarkably gifted leaders. President (1821-1835) Jonathan P. Cushing, a Dartmouth man and the first layman and first non-Presbyterian to be president, oversaw the abandonment of the College's original buildings and introduced the handsome Federalist architecture which is still distinctive of the campus; his greatest physical monument, Cushing Hall, which once housed the entire College operation, is currently in use as a dormitory. The world-renowned chemist, Dr. John W. Draper, who built the first camera to photograph a living person, was professor at Hampden-Sydney from 1836 to 1839.

Religious controversy, the nation's and Virginia's economic troubles, and the Civil War and its aftermath were for two generations the testing-fires of Hampden-Sydney as a stronghold of academic quality. Fortunately for the College, the longest-tenured of its presidents, the able and dedicated J. M. P. Atkinson, served from before the War through Reconstruction (1857-1883); he performed the remarkable feat of keeping the College solvent, while insistently upholding both disciplinary and academic standards. Once again, at the outset of war the student body organized a company, with the president as captain. These men, officially named the "Hampden-Sydney Boys," saw action in the disaster of Rich Mountain (June 10, 1861), were captured, and were paroled by General George B. McClellan on the condition that they return to their studies.

During the presidencies of Dr. Atkinson and his eminent successor (President 1883-1904), Dr. Richard McIlwaine, many features of current student life were introduced—social fraternities, sports, the formalized Honor System, for example; other student activities flourished at their highest level, such as the literary, or debating, societies and musical clubs. In addition, in 1898 the Seminary moved to Richmond and a most generous alumnus, Major R. M. Venable, bought its buildings and gave them to the College, doubling the physical plant. Academic offerings were expanded, strengthening the coherent tradition of liberal arts education which had become the hallmark of the College.



Cushing



Eggleston

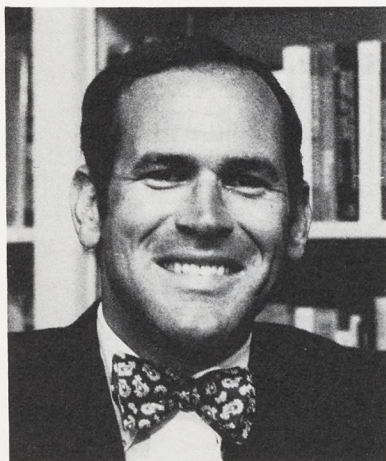
The twentieth century has seen considerable building and other developments that have provided the facilities and personnel to continue a distinguished program. Sometimes facilities have had to be improved—or even replaced—at unsettlingly short intervals. In 1922 Bagby Science Hall was built, described at the time as “one of the finest science facilities in the small colleges of America”; in 1968 it was replaced by the new Science Center, which is, again, of the highest quality. The former Memorial Library, now Winston Hall, was replaced in 1961 after sixty-three years of service by Eggleston Library, named for J. D. Eggleston (President 1919-1939), the principal insitutional architect of the twentieth-century Hampden-Sydney; only fourteen years later, during the adminstration of Dr. W. Taylor Reveley (1963-1977), this building was more than doubled in size. The campus has grown steadily through purchase and gift, and is surrounded completely by farms, small-holdings, and woodland. Gammon Gymnasium, built in 1940, was expanded in 1955 and 1975; Johns Auditorium was erected in 1950; new athletic fields and tennis courts were added in 1976; Graham Hall, in the heart of the campus, has been converted to use as a student center; and the College completed work in September 1979 on a new athletic center. Academic, social, and cultural programs of the College continue to be enriched, and Hampden-Sydney looks into its third century with a wholesome optimism, bred of a sober integrity of mission coupled with a history of sound development, and made possible by an extraordinary succession of leaders and benefactors of rare ability, commitment, and vision.



PRESIDENTS OF THE COLLEGE

SAMUEL STANHOPE SMITH, D.D., LL.D.	1775-1779	4
JOHN BLAIR SMITH, D.D.	1779-1789	10
DRURY LACY, D.D. (<i>Vice President and Acting President</i>)	1789-1797	8
ARCHIBALD ALEXANDER, D.D., LL.D.	1797-1806	9
WILLIAM S. REID, D.D. (<i>Vice President and Acting President</i>)	1807	1
MOSES HOGE, D.D.	1807-1820	13
JONATHAN P. CUSHING, A.M. (<i>Acting President</i>)	1820-1821	1
(<i>President</i>)	1821-1835	14
GEORGE A. BAXTER, D.D. (<i>Acting President</i>)	1835	1
DANIEL LYNN CARROLL, D.D.	1835-1838	3
WILLIAM MAXWELL, LL.D.	1838-1844	6
PATRICK J. SPARROW, D.D.	1845-1847	2
S. B. WILSON, D.D. (<i>Acting President</i>)	1847	
F. S. SAMPSON, D.D. (<i>Acting President</i>)	1847-1848	1
CHARLES MARTIN, A.B. (<i>Acting President</i>)	1848-1849 and 1856-1857	
LEWIS W. GREEN, D.D.	1848-1856	8
REV. ALBERT L. HOLLADAY (<i>Died before taking office</i>)	1856	
JOHN M. P. ATKINSON, D.D.	1857-1883	26
RICHARD McILWAINE, D.D., LL.D.	1883-1904	21
JAMES R. THORNTON, A.M. (<i>Acting President</i>)	1904	1
WILLIAM H. WHITING, JR., A.M., LL.D. (<i>Acting President</i>)	1904-1905 and 1908-1909	2
J.H.C. BAGBY, Ph.D. (<i>Acting President</i>)	1905	1
JAMES GRAY McALLISTER, D.D., LL.D., D.Litt.	1905-1908	3
HENRY TUCKER GRAHAM, D.D., LL.D.	1908-1917	9
ASHTON W. McWHORTER, A.M., Ph.D. (<i>Acting President</i>)	1917-1919	2
JOSEPH DuPUY EGGLESTON, A.M., Ph.D.	1919-1939	20
EDGAR GRAHAM GAMMON, D.D., LL.D.	1939-1955	16
JOSEPH CLARKE ROBERT, A.B., A.M., Ph.D., Litt.D., LL.D.	1955-1960	5
THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc.	1960-1963	3
WALTER TAYLOR REVELEY, B.A., B.D., Ph.D., LL.D.	1963-1977	14
JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	1977-	

Bunting



BOARD OF TRUSTEES

Class of 1981

W. CECIL CARPENTER	Virginia Beach, Virginia
GEORGE B. CARTLEDGE	Roanoke, Virginia
J. BRUCE JAMES	Richmond, Virginia
S. E. LILES	Norfolk, Virginia
MRS. WILLIAM McBRATNEY, JR.	Lynchburg, Virginia
HENRY C. SPALDING, JR.	Richmond, Virginia
WILLIAM F. SPOTSWOOD, JR.	Irvington, Virginia

Class of 1982

BERNARD E. BAIN	Lynchburg, Virginia
T. KYLE BALDWIN	Farmville, Virginia
WILLIAM R. HILL, JR.	Richmond, Virginia
PETER A. LEGGETT	Lynchburg, Virginia
JOHN B. LONG	Daniels, West Virginia
W. R. MIDDELTHON, JR.	Miami, Florida
L. WHITE MATTHEWS III	St. Louis, Missouri

Class of 1983

FREDERICK W. BECK, JR.	Petersburg, Virginia
JOHN E. BLOMQUIST	Richmond, Virginia
RAYMOND B. BOTTOM, JR.	Newport News, Virginia
J. B. FUQUA	Atlanta, Georgia
WILLIAM H. LEACHMAN	Alexandria, Virginia
W. SYDNOR SETTLE	New York, New York
MRS. JAMES C. WHEAT	Richmond, Virginia

Class of 1984

EDWIN A. DEAGLE	New York, New York
ROBERT W. KING, JR.	Charlotte, North Carolina
MRS. WILLIAM T. REED, JR.	Manakin-Sabot, Virginia
C. DANIEL SHELBURNE	Raleigh, North Carolina
PAUL S. TRIBLE, JR.	Washington, D.C.
JAMES L. TRINKLE	Roanoke, Virginia
RICHARD M. VENABLE, JR.	Charleston, West Virginia

Class of 1985

ROYAL E. CABELL, JR.	Richmond, Virginia
JAMES J. COLEMAN, JR.	New Orleans, Louisiana
ERNEST P. GATES	Chesterfield, Virginia
CHARLES M. GUTHRIDGE	Richmond, Virginia
RODNEY B. MITCHELL	New York, New York
W. KEMP NORMAN, JR.	Yemassee, South Carolina

ADMINISTRATIVE OFFICERS

1980-81

JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	President of the College
NATHANIEL H. ACKER, B.S.	Vice President for Development
LEWIS H. DREW, B.A., M.A.T., Ed.D.	Dean of Students
BRUCE L. FRY, B.S.	Vice President for Finance
DANIEL P. POTEET II, B.A., M.A., Ph.D.	Dean of the Faculty
CHARLES W. SYDNOR, JR., B.A., M.A., Ph.D.	Assistant to the President

ADMINISTRATIVE STAFF

1980-81

JAMES M. ALEXANDER III, B.A.	Admissions Counselor
THOMAS O. BONDURANT, B.S.	Business Manager
WILFRED R. CHASSEY, B.S., M.S.	Director of Athletics
MRS. CYNTHIA S. CURRY, B.A., M.A.	Acting Director of Counseling and Career Planning
ANITA H. GARLAND, B.A.	Associate Dean of Admissions
MERRILL A. ESPIGH, B.S., M.A., Ph.D.	Registrar
JAMES G. GAMBLE, B.S.	Programmer/Analyst
J. SHEPPARD HAW III, B.A.	News and Information Officer
S. WARREN KERNODLE	Superintendent of Buildings and Grounds
REID A. LaCLAIR, B.A.	Assistant Dean of Admissions
RICHARD C. McCLINTOCK, B.A., M.A., Ph.D.	Director of Publications
WILLIAM F. MEEHAN III, B.A.	Assistant Dean of Admissions
G. MICHAEL PACE, JR., B.A.	Director of Annual Giving
VIRGINIA G. REDD	Director of Records and Research
VIRGINIA I. RODES, B.A., M.A.	Bookstore Manager
WILLIAM J. SEEGER, B.A., M.A.	Director of Capital Programs
THOMAS H. SHOMO, B.A., M.A.Ed.	Assistant Dean of Students and Director of Financial Aid
JOHN H. WATERS III, B.A.	Director of Alumni Relations

FACULTY

1980-81 (By Rank)

- WILLIAM COLLAR HOLBROOK, A.B., B.A. (Oxon.), M.A., Ph.D. (1960, 1970) *Converse Professor Emeritus of Romance Languages*
- THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc. (1927, 1971) *President Emeritus and Professor Emeritus of Physics*
- ALBERT LOUIS LEDUC, A.B., M.A., Ph.D. (1962, 1972) *Professor Emeritus of Modern Languages*
- ELMO BERNARD FIRENZE, B.A., M.A. (1946, 1974) *Professor Emeritus of German and French*
- CHARLES FERGUSON McRAE, B.A., B.D., Th.M., Th.D. (1942, 1975) *Professor Emeritus of Bible*
- GRAVES HAYDON THOMPSON, B.A., A.M., Ph.D., Litt.D. (1939, 1977) *Blair Professor Emeritus of Latin*. B.A., Hampden-Sydney College, 1927; A.M., Harvard University, 1928; Ph.D., Harvard University, 1931; Litt.D., Hampden-Sydney College, 1979.
- ROBERT THRUSTON HUBARD, JR., B.A., J.D. (1946, 1977) *Professor Emeritus of Political Science*. B.A., Hampden-Sydney College, 1935; J.D., University of Virginia, 1942.
- JOSEPH BURNER CLOWER, B.A., B.D., Th.M., Th.D., (1954, 1977) *Professor Emeritus of Bible*
- PAUL LIVINGSTON GRIER, B.A., B.A.L.S., M.A.L.S. (1940, 1980) *Head Librarian Emeritus*. B.A., Erskine College, 1936; B.A.L.S., University of North Carolina, 1938; M.A.L.S., University of Michigan, 1947.
- DUDLEY BYRD SELDEN, B.S., M.S. (1961, 1974) *Associate Professor Emeritus of Mathematics*
- WILLARD FRANCIS BLISS, B.A., Ph.D. (1946, 1963) *Squires Professor of History*. B.A., Tufts College, 1939; Ph.D., Princeton University, 1946.
- WEYLAND THOMAS JOYNER, B.S., M.A., Ph.D.* (1957, 1963) *Professor of Physics*. B.A., Hampden-Sydney College, 1951; M.A., Duke University, 1952; Ph.D., Duke University, 1955.
- JOSEPH WILLARD WHITTED, B.S., M.A., Ph.D. (1949, 1964) *Professor of Modern Languages*. B.S., Davidson College, 1933; M.A., University of North Carolina, 1941; Ph.D., University of North Carolina, 1963.
- THOMAS EDWARD CRAWLEY, B.A., M.A., Ph.D. (1946, 1969) *Hurt Professor of English*. B.A., Hampden-Sydney College, 1941; M.A., University of North Carolina, 1953; Ph.D., University of North Carolina, 1965.
- HASSELL ALGERNON SIMPSON, B.S., M.A., Ph.D. (1962, 1965) *Professor of English*. B.S., Clemson University, 1952; M.A., Florida State University, 1957; Ph.D., Florida State University, 1962.
- DONALD RICHARD ORTNER, B.A., B.M., C.R.M., M.A., M.S., Ph.D. (1961, 1967) *Professor of Psychology and College Psychologist*. B.A., Northwestern College, 1944; B.M., Illinois Wesleyan University, 1946; C.R.M., Wisconsin Lutheran Seminary, 1947; M.A., Eastern Michigan University, 1957; M.S., Virginia Commonwealth University, 1980; Ph.D., Michigan State University, 1964.
- THOMAS TABB MAYO IV, B.S., M.S., Ph.D. (1962, 1967) *Professor of Physics*. B.S., Virginia Military Institute, 1954; M.S., University of Virginia, 1957; Ph.D., University of Virginia, 1960.
- HOMER ALVIN SMITH, JR., B.A., Ph.D. (1964, 1967) *Professor of Chemistry*. B.A., Rice University, 1953; Ph.D., Oklahoma State University, 1961.
- FRANK JAMES SIMES, A.B., M.A., D. Ed. (1967) *Professor of Psychology*. A.B., University of Michigan, 1938; M.A., State University of New York, 1948; D. Ed., Pennsylvania State University, 1951.
- WILLIAM WENDELL PORTERFIELD, B.S., M.S., Ph.D. (1964, 1968) *Professor of Chemistry*. B.S., University of North Carolina, 1957; M.S., California Institute of Technology, 1960; Ph.D., University of North Carolina, 1962.
- TULLY HUBERT TURNEY, JR., A.B., Ph.D. (1965, 1973) *Professor of Biology*. A.B., Oberlin College, 1958; Ph.D., University of North Carolina, 1963.
- WALTER TAYLOR REVELEY, A.B., B.D., Ph.D., LL.D., D.Litt. (1963, 1978) *Professor of Religion and President Emeritus*. A.B., Hampden-Sydney College, 1939; B.D., Union Theological Seminary, 1942; Ph.D., Duke University, 1953; LL.D., Southwestern at Memphis, 1966; D.Litt., the College of Charleston, 1976.

- EDWARD ALEXANDER CRAWFORD, JR., B.S., M.A. (1963, 1979) *Professor of Biology*. B.S., University of South Carolina, 1948; M.A., University of Virginia, 1956.
- OWEN LENNON NORMENT, JR., A.B., B.D., Th.M., Ph.D. (1966, 1980) *Professor of Religion*. A.B., University of North Carolina, 1955; B.D., Union Theological Seminary, 1958; Th.M., Union Theological Seminary, 1959; Ph.D., Duke University, 1968.
- JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.), (1977) *President of the College and Adjunct Professor of English*. B.A., Virginia Military Institute, 1963; B.A., University of Oxford, 1965; M.A., University of Oxford, 1969.
- EDWARD MARION KIESS, B.S., M.S., Ph.D. (1968, 1969) *Associate Professor of Physics*. B.S., Massachusetts Institute of Technology, 1955; M.S., Pennsylvania State University, 1962; Ph.D., Pennsylvania State University, 1965.
- WILLIAM ROBERT HENDLEY, B.A., Ph.D. (1970) *Associate Professor of Economics*. B.A., Yale University, 1956; Ph.D., Duke University, 1966.
- STANLEY ROBERT GEMBORYS, A.B., Ph.D. (1967, 1973) *Associate Professor of Biology*. A.B., Dartmouth College, 1964; Ph.D., Auburn University, 1967.
- MERRILL ALVIN ESPIGH, B.S., M.A., Ph.D. (1962, 1974) *Registrar and Associate Professor of Mathematics*. B.S., Shippensburg State College, 1958; M.A., Louisiana State University, 1962; Ph.D., Florida State University, 1973.
- THOMAS EDWARD DeWOLFE, A.B., M.A., Ph.D. (1966, 1974) *Associate Professor of Psychology*. A.B., Harvard University, 1954; M.A., Vanderbilt University, 1960; Ph.D., University of Houston, 1969.
- JOHN LUSTER BRINKLEY, B.A., B.A. (Oxon.), M.A., M.A. (Oxon.) (1967, 1974) *Associate Professor of Classical Studies and Clerk of the Faculty*. B.A., Hampden-Sydney College, 1959; B.A., University of Oxford, 1962; M.A., Princeton University, 1965; M.A., University of Oxford, 1966.
- VINCENT ALBERT IVERSON, B.A., S.T.B., M.A., Ph.D. (1967, 1974) *Associate Professor of Philosophy*. B.A., University of Minnesota, 1959; S.T.B., Harvard Divinity School, 1962; M.A., Yale University, 1964; Ph.D., Yale University, 1968.
- RONALD LYNTON HEINEMANN, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Dartmouth College, 1961; M.A., University of Virginia, 1967; Ph.D., University of Virginia, 1968.
- AMOS LEE LAINE, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Randolph-Macon College, 1962; M.A., Duke University, 1965; Ph.D., Duke University, 1972.
- HERBERT JAMES SIPE, JR., B.S., Ph.D.* (1968, 1974) *Associate Professor of Chemistry*. B.S., Juniata College, 1961; Ph.D., University of Wisconsin, 1969.
- LAWRENCE HENRY MARTIN, JR., B.A., M.A., Ph.D. (1969, 1974) *Associate Professor of English*. B.A., Tufts University, 1964; M.A., University of Massachusetts, 1966; Ph.D., University of Massachusetts, 1969.
- WILLIAM ALBERT SHEAR, A.B., M.A., Ph.D.* (1974) *Associate Professor of Biology*. A.B., College of Wooster, 1963; M.A., University of New Mexico, 1965; Ph.D., Harvard University, 1971.
- LEON NEELY BEARD, JR., B.A., Ph.D. (1968, 1975) *Associate Professor of Physics*. A.B., Vanderbilt University, 1957; Ph.D., Vanderbilt University, 1967.
- JAMES YOUNG SIMMS, JR., A.B., M.A., Ph.D. (1968, 1975) *Associate Professor of History*. A.B., University of Maryland, 1958; M.A., University of Maryland, 1965; Ph.D., University of Michigan, 1976.
- RAY ALLEN GASKINS, B.S., Ph.D. (1970, 1975) *Associate Professor of Mathematics*. B.S., Virginia Polytechnic Institute and State University, 1964; Ph.D., Virginia Polytechnic Institute and State University, 1971.
- JORGE ANTONIO SILVEIRA, B.A., J.D., M.A., Ph.D. (1970, 1975) *Associate Professor of Modern Languages*. B.A., Instituto Santiago, Santiago de Cuba, 1949; Doctor en Derecho, Universidad de La Habana, Havana, Cuba, 1955; M.A., University of North Carolina, 1969; Ph.D., University of North Carolina, 1974.
- ROBERT GRANT ROGERS, B.S., S.T.B., Ph.D. (1975) *Associate Professor of Religion*. B.S., Ohio State University, 1960; S.T.B., Boston University School of Theology, 1963; Ph.D., Boston University, 1969.
- CHARLES WAYNE TUCKER, B.A., M.A., Ph.D.* (1972, 1976) *Associate Professor of Classics*. B.A.,

- Randolph-Macon College, 1960; M.A., University of Virginia, 1966; Ph.D., University of Virginia, 1972.
- DOUGLAS STUART THOMPSON, B.S., Ph.D. (1976) *Associate Professor of Chemistry*. B.S., University of California (Berkeley), 1961; Ph.D., Massachusetts Institute of Technology, 1965.
- GEORGE FRANKLIN BAGBY, JR., B.A., M.A., Ph.D. (1972, 1977) *Associate Professor of English*. B.A., Haverford College, 1965; M.A., Yale University, 1968; Ph.D., Yale University, 1975.
- KEITH WILLIAM FITCH, B.S., M.A., Ph.D. (1972, 1978) *Associate Professor of History*. B.S., Purdue University, 1960; M.A., Purdue University, 1968; Ph.D., Purdue University, 1972.
- JACK PALMER SANDERS, B.A., Ph.D.* (1974, 1978) *Associate Professor of Mathematics*. B.A., University of the South, 1965; Ph.D., University of Virginia, 1970.
- JOSEPH E. GOLDBERG, B.A., Ph.D. (1975, 1978) *Associate Professor of Political Science*. B.A., State University of Iowa, 1962; Ph.D., University of Washington, 1973.
- CARDON VERN BURNHAM, B.M.E., M.M., A.Mus.D. (1978) *Associate Professor of Fine Arts*. B.M.E., Bradley University, 1949; M.M., University of Illinois, 1950; A.Mus.D., Eastman School of Music, 1960.
- ALAN FORD FARRELL, A.B., M.A., Ph.D. (1973, 1979) *Associate Professor of Modern Languages*. A.B., Trinity College, 1966; M.A., Tufts University, 1967; M.A., Tufts University, 1972; Ph.D., Tufts University, 1972.
- PAUL ANTHONY JAGASICH, B.A., B.S., M.A., Ph.D. (1973, 1979) *Associate Professor of Modern Languages*. B.A., Apaczai Pedag. College, Budapest, Hungary, 1955; B.S., Eotvos Tud. Egyetem, Budapest, H., 1960; B.A., Eotvos Tud. Egyetem, Budapest, H., 1962; B.A., Eotvos Tud. Egyetem, Budapest, H., 1964; M.A., University of North Carolina, 1970; M.A., University of North Carolina, 1971; Ph.D., University of North Carolina, 1973.
- BRIAN EUGENE SCHRAG, B.A., M.A., Ph.D. (1973, 1979) *Associate Professor of Philosophy*. B.A., Bethel College, 1964; M.A., University of Iowa, 1971; Ph.D., Vanderbilt University, 1975.
- WILLIAM GEORGE DAVIES, B.Sc., M.Sc., Ph.D. (1980) *Visiting Associate Professor of Chemistry*. B.Sc., University of Cape Town, 1949; M.Sc., University of Cape Town, 1951; Ph.D., University of Reading (England), 1956.
- GUSTAV HENRY FRANKE, B.S., B.S., M.A.T. (1965, 1968) *Assistant Professor of Mathematics*. B.S., Auburn University, 1938; B.S., Auburn University, 1939; M.A.T., Duke University, 1965.
- MARY MONTGOMERY SAUNDERS, B.A., M.A., Ph.D. (1976, 1977) *Assistant Professor of English*. B.A., Duke University, 1966; M.A., University of Illinois, 1967; Ph.D., University of Illinois, 1974.
- DAVID E. MARION, B.A., M.A., Ph.D. (1977) *Assistant Professor of Political Science*. B.A., Saint Anselm's College, 1970; M.A., University of New Hampshire, 1972; Ph.D., Northern Illinois University, 1977.
- DAVID B. J. ADAMS, A.B., M.A., Ph.D. (1978) *Assistant Professor of Political Science*. A.B., College of William & Mary, 1963; M.A., University of Chicago, 1968; Ph.D., University of Chicago, 1977.
- JAMES ALEXANDER ARIETI, B.A., M.A., Ph.D. (1978) *Assistant Professor of Classics*. B.A., Grinnell College, 1969; M.A., Stanford University, 1972; Ph.D., Stanford University, 1972.
- GERALD MORRIS BRYCE, B.S., Ph.D. (1978) *Assistant Professor of Mathematics*. B.S., Denison University, 1967; Ph.D., University of Virginia, 1975.
- DAVID WILLIAM GIBSON, B.A., M.B.A. (1979) *Assistant Professor of Economics*. B.A., University of Richmond, 1976; M.A., College of William & Mary, 1978.
- JAMES ANGRESANO, B.S., M.B.A. (1980) *Assistant Professor of Economics*. B.S., Lehigh University, 1968; M.B.A., New York University, 1971.
- KENNETH NEAL TOWNSEND, B.A., M.S., (1980) *Assistant Professor of Economics*. B.A., Louisiana State University, 1976; M.S., Louisiana State University, 1978.
- GLENN J. BROADHEAD, B.A., M.A., Ph.D. (1980) *Visiting Assistant Professor of Rhetoric*. B.A., Los Angeles State College, 1963; M.A., University of California at Davis, 1969; Ph.D., University of California at Davis, 1973.
- ALFRED M. DUFTY, JR., A.B., M.A. (1980) *Visiting Assistant Professor of Biology*. A.B., Princeton University, 1972; M.A., State University of New York at Binghamton, 1976.

PAULA WINSOR SAGE, B.S., M.A., Ph.D. (1980)
Visiting Assistant Professor of Classics. B.S.,
 University of Vermont, 1966; M.A., University of
 Vermont, 1967; Ph.D., Johns Hopkins University,
 1980.

ANNE CASTEEN LUND, B.S., M.S., Ph.D. (1974)
Adjunct Assistant Professor of Biology. B.S.,
 Longwood College, 1967; M.S. Emory University,
 1968; Ph.D., Emory University, 1974.

DAVID WINSTON TAYLOR, B.A., M.A., (1978)
Instructor in Rhetoric. B.A., University of
 Tennessee, 1974; M.A., Arkansas State University,
 1976.

DANIEL POWELL POTEET II, B.A., M.A., Ph.D. (1977,
 1978) *Dean of the Faculty.* B.A., Harvard
 University, 1963; M.A., University of Illinois, 1965;
 Ph.D., University of Illinois, 1969.

JOHN RYLAND, B.A., M.A. (1979) *Head Librarian.* B.A.,
 Florida State University, 1964; M.A., Florida State
 University, 1969; Bibliotekarsksam (M.L.S.), Royal
 School of Librarianship (Copenhagen), 1971.

ALAN FREDERICK ARTHUR ZOELLNER, B.A., M.A.,
 M.L.S., Ph.D. (1977) *Reference Librarian.* B.A.,
 Carthage College, 1966; M.A., Indiana University,
 1968; M.L.S., Indiana University, 1977; Ph.D.,
 Indiana University, 1977.

THOMAS J. O'GRADY, B.A., M.A. (1974)
Poet-in-Residence and Lecturer in English. B.A.,
 University of Baltimore, 1966; M.A., Johns Hopkins
 University, 1967.

CARL STERN, A.B., M.B.A., Ph.D.† (1971) *Lecturer in
 Economics.* A.B., Colby College, 1943; M.B.A.,
 University of Pennsylvania, 1947; Ph.D., University
 of Pennsylvania, 1954.

STEWART DONALD SEQUIN, JR., B.A., M.A. (1979)
Lecturer in Psychology. B.A., Hampden-Sydney
 College, 1976; M.A., Trinity University, 1978.

JEANNE M. NAILOR, B.S., M.A. (1980) *Lecturer in
 Mathematics.* B.S., Grove City College, 1978; M.A.,
 Duke University, 1980.

NANCY POTEET, B.A., M.A. (1980) *Lecturer in
 Rhetoric.* B.A., University of Wisconsin, 1965;
 M.A., University of Illinois, 1967.

*On leave 1980-81

†Exchange faculty from Randolph-Macon Woman's College

NOTE: The first date in parentheses indicates the year in which
 the faculty member began faculty service at the College. The
 second date indicates the year of appointment to the present rank.

LIBRARY

JOHN RYLAND, B.A., M.A. Librarian
 ALAN ZOELLNER, B.A., M.A., M.L.S., Ph.D. Reference
 Librarian
 SANDRA W. HEINEMANN, B.A., M.A.L.S. Catalogue
 Librarian
 ELNA ANN MAYO, A.B., M.A. Serials Librarian

ATHLETICS

WILFRED R. CHASSEY, B.S., M.S.
Director of Athletics

JOHN STOKLEY FULTON, B.S.
Head Football Coach and Head Baseball Coach

LOUIS ALEXANDER WACKER, JR., B.A., M.A.
Wrestling Coach and Assistant Football Coach

BOBBY G. SAYLOR, B.A., M.S.
Tennis Coach and Director of the Athletic Center

DONALD P. THOMPSON, B.A., M.A.
Head Basketball Coach and Golf Coach

WILLIAM T. REID, B.A.
Head Lacrosse Coach and Assistant Soccer Coach

JAMES Y. SIMMS, A.B., M.A., Ph.D.
Head Soccer Coach

GILMAN Z. SIMMS, B.A., D.D.S.
Athletic Trainer

WILLIAM GLENNON, JR.
Assistant Football and Assistant Lacrosse Coach

B. JOSEPH LAMMAY
Assistant Basketball Coach

TIM M. FITZPATRICK
Sports Information Director

PAUL A. JAGASICH, B.A., B.S., M.A., Ph.D.
Head Water Polo Coach

DAVID W. TAYLOR, B.A., M.A.
Head Cross Country Coach

BERNIE MENAPACE
Assistant Football Coach

JAMES F. REILLY
Head Athletic Trainer

ASSISTANTS AND SECRETARIES

ADMINISTRATIVE

MRS. BARBARA S. ARMENTROUT *Posting Clerk*
 MRS. P. TULANE ATKINSON . . . *Hostess, Parents and Friends Lounge and Curator, Museum*
 MRS. SANDRA M. BELL *Alumni Secretary*
 MRS. ERLENE BOWMAN *Bookstore, Head Cashier*
 MRS. LUCY B. BRIGHTWELL . . *Secretary in the Office of Admissions and Financial Aid*
 MRS. ERNA W. CLEMENTS *Cashier*
 MRS. DORIS M. COOK *Assistant Purchasing Agent*
 MRS. LINDA COTHRAN, B.A. *Secretary to the Dean of the Faculty*
 MRS. ROBERTA CRAWLEY, R.N. . . . *Infirmiry Nurse*
 MRS. VIRGINIA W. DRUEN *Secretary to the President*
 MRS. MARY L. EMBREY *Secretary to the Department of Athletics*
 MRS. LYNN W. ESTES, B.A. *Mailing and Records Secretary*
 MRS. BARBARA C. FORE *Secretary to the Dean of Students*
 MRS. BRENDA F. GARRETT *MT/ST Composer Operator*
 MRS. DEBBIE W. HENDRIX *Secretary in the Office of Admissions and Financial Aid*
 MRS. CLARA C. JOHNSON *Part-time Secretary, Office of the Registrar*
 MRS. VIRGINIA W. JOHNSTON *Secretary to the Vice President for Finance*
 MRS. JEANETTE S. MCKAY *Secretary, Development*
 MRS. DIANNE M. MARION, B.A. *Post Office Clerk*
 MRS. LINDA MARTIN, R.N. *Infirmiry Nurse*
 MRS. SHIRLEY MORING *Secretary in the Office of Admissions and Financial Aid*

MISS SHIRLEY K. MOTTLEY *Receipts Clerk, Development*
 MRS. KATHRYN ORTH, B.A., M.A., Ph.D. . . *Bookstore, Book Clerk*
 MRS. GERRY PETTUS *Switchboard Operator and Secretary, Development*
 MRS. JOYCE E. QUEENSBERRY *Bookstore, Bookkeeper*
 MRS. NANCY S. SAYLOR *Secretary to the Vice President for Development*
 MRS. MARJORIE E. SCHRAG, B.A. *Secretary, Development*
 MRS. KAREN SENDER *Data Order Entry Operator*
 MRS. RONDA R. SIMMS, B.A., M.A. *Coordinator, Corporate and Foundations Support*
 MRS. SALLY WATERS, B.S. *Part-time Clerk, Office of Financial Aid*
 MRS. FLORENCE C. WATSON *Recorder*
 MRS. QUETA S. WATSON *Assistant Supervisor of Housekeeping and Secretary to the Department of Buildings and Grounds*
 MRS. MARIANNE F. WELLS, B.A. *Postmistress*
 MRS. MERLE C. WELLS . . *Supervisor of Housekeeping*

ACADEMIC

JAMES W. BELL *Chemistry Technician*
 MRS. ANNE S. BERRY *Secretary, Library*
 MRS. JEWEL D. FORE *Secretary, Library*
 MRS. JANE HOLLAND *Secretary, Morton Hall*
 MRS. JEAN P. HUDSON *Secretary, Gilmer Hall*
 JAMES JENNINGS *Physics Technician*
 MRS. LINNIE N. KERNODLE . . *Secretary, Bagby Hall*
 MRS. FLORENCE P. SEAMSTER . . *Secretary, Library*
 WARREN SEAY, B.S. . . *Biology Laboratory Technician*

COMMITTEES OF THE FACULTY

The Committees of the Faculty meet regularly throughout the academic year. Through their members suggestions about College business or policy may be made. The major committees, Academic Affairs, Faculty Affairs, and Student Affairs, Budget-Audit, Grievance, and their subcommittees are listed below with their areas of responsibility and the names and terms (the number in parentheses indicates the last year in office) of their members.

ACADEMIC AFFAIRS COMMITTEE

Responsible for general educational policy, new academic programs and departments, curriculum and course approval, non-classroom educational resources (e.g., audiovisual materials, computer programs, library), remedial and study skills programs, academic calendar, nominations of committee members where needed, and emergency action on behalf of the Faculty. Also serves as the Executive Committee of the Faculty between Faculty meetings. May establish sub-committees and *ad hoc* committees, for purpose definite, to report to it.

Membership:

- 3 faculty members, 1 elected from each division, by each division, for 3-year staggered terms: Heinemann (81), Norment (Chairman, 82), Bryce (83)
- 1 faculty member elected at large annually: Simes
- 1 faculty member appointed by the President annually after the election of the above: Bagby
- 1 student elected annually in the Spring by faculty members of the Committee (save for Executive Committee business): Snead
- Dean of the Faculty, *ex officio*: Poteet

Honors Council

A subcommittee of the Academic Affairs Committee, responsible for supervision and direction of the general Honors Program, Departmental Honors, Senior and Senior Major (Allan) Fellowships, and the Merit Scholarship Program.

Membership:

- Dean of the Faculty, *ex officio*: Poteet
- 3 faculty teaching Honors Courses, one appointed by the Dean from each division, for 3-year staggered terms: Mayo (81), DeWolfe (82), Norment (83)
- 1 faculty member not teaching Honors Courses, appointed by the Dean for a 3-year term: Heinemann
- Chairman, appointed by the Dean from among the members: Rogers (81)

Admissions and Financial Aid Committee

A subcommittee of the Academic Affairs Committee, responsible for supervision and implementation of the admissions and financial aid policy established by the Faculty.

Membership:

- Director of Admissions (Chairman *ex officio*):
- Dean of Students: Drew
- 3 faculty members elected one each year, for 3-year staggered terms, by the Faculty: Adams (81), Marion (82), Porterfield (83)
- 1 faculty member appointed annually by the President, after the above election: Arieti
- (The Chairman shall invite such other members of the

Administration as shall be appropriate to sit in on meetings when needed.)

Premedical Committee

A subcommittee of the Academic Affairs Committee, responsible for giving advice and counsel to premedical students; for liaison with medical, dental, and veterinary schools.

Membership:

- 5 faculty members appointed for 5-year staggered terms, one appointed each year by the President: Brinkley (81), Crawford (Chairman, 82), D. Thompson (83), Kiess (84), Gibson (85)

Foreign Study Committee

A subcommittee of the Academic Affairs Committee, responsible for generating and evaluating programs entailing foreign study, promotion of participation in such study, and screening applicants for foreign study.

Membership:

- 4 faculty members appointed for 4 year staggered terms, one appointed each year by the President: Simms (81), Silveira (82), Martin (83, Chairman), Farrell (84)

FACULTY AFFAIRS COMMITTEE

Responsible for advice and consent on faculty hiring, promotion, and tenure; advice to the Dean of the Faculty on the funding of faculty research, sabbaticals and development.

Membership:

- 3 faculty members (all tenured faculty), 1 elected from each division, by each division, for 3-year staggered terms: Simpson (81), Mayo (82), Ortner (83)
- 3 faculty members, one from each division, elected by the faculty as a whole for 3-year staggered terms: Beard (81), Laine (82), Reveley (83)
- Dean of the Faculty, *ex officio*, without vote: Poteet
- Chairman, to be elected from within the Committee: Mayo

STUDENT AFFAIRS COMMITTEE

Responsible for review, explication, and recommendation of policies and regulations pertaining to student life, including athletics and recreation, community service, disciplinary procedures, religious life, housing, food services, counseling and career services, vehicular traffic, and other non-academic aspects of campus life.

Membership:

- 3 faculty members, one elected at large each year for a 3-year term: Marion (81), Farrell (82), Taylor (83)
- President of the Student Government: David Huddle
- 2 students appointed by the President of the College annually in the spring: Adkins, Rogers
- Dean of Students, *ex officio*: Drew
- Chairman, to be elected from within the Committee: Farrell

Athletic Committee

A subcommittee of the Student Affairs Committee, responsible for implementation of athletic policies established by the Faculty, oversight and review of varsity and intramural athletic programs; liaison between the Athletic Director and the Faculty.

*Membership:*Athletic Director *ex officio*: ChasseyDean of Students *ex officio*: Drew

4 faculty members, one elected at large each year for a 4-year term: Porterfield (81), D. Thompson (82), Simms (Chairman, 83), Goldberg (84)

1 student appointed by the President of the College each Spring: Currie

Lectures and Programs Committee

A subcommittee of Student Affairs Committee, responsible for planning, coordinating, and implementing co-curricular intellectual, cultural, and aesthetic activities.

Membership:

3 faculty members, serving 3-year staggered terms — 1 (Chairman), appointed by the President; 2 elected by the Faculty: Schrag (81), Adams (82), Fitch (83, Chairman)

4 Students chosen annually in the Spring by the Student Body President: Anderson, Stokes, Trespacz, Vranian

Dean of Students, *ex officio*: Drew**BUDGET-AUDIT COMMITTEE**

Responsible for annual review and evaluation of priorities reflected in the budget, and the general fiscal condition of

the College — the findings to be reported to the Faculty, students, and trustees.

Membership (may be faculty, student, and/or administrator, as elected):

2 elected from the Academic Affairs Committee, by the Academic Affairs Committee, annually: Bagby, Simes

2 elected from the Faculty Affairs Committee, by the Faculty Affairs Committee, annually: Beard, Simpson

2 elected from the Student Affairs Committee, by the Student Affairs Committee, annually: Huddle, Marion

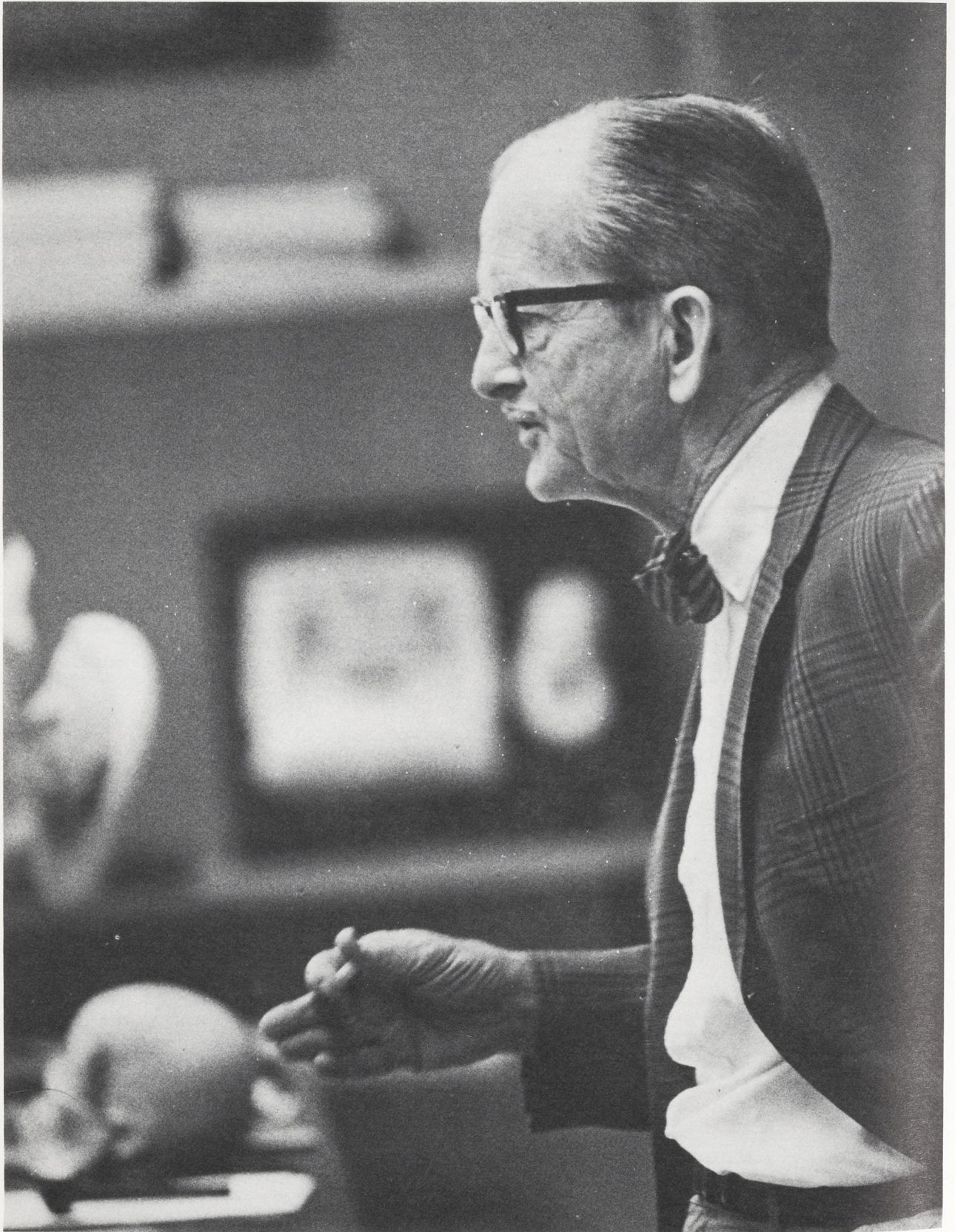
Chairman *ex officio*, President of the College: Bunting**GRIEVANCE COMMITTEE**

Responsible for hearing grievances including appeals of tenure, promotion and hiring decisions.

Membership (elected from tenured faculty):

5 faculty members elected at large for three-year staggered terms. Administrative officers are not eligible to serve. Porterfield (81), Iverson (82), Martin (82), Hendley (83), Simms (83)

Chairman, to be elected from within the committee:



ACADEMIC PROGRAM

In keeping with the classical ideal of education, Hampden-Sydney seeks "to form good men and good citizens." The College is committed to the development of humane and lettered men, and to the belief that a liberal arts education provides the best foundation not only for a professional career, but for the great intellectual and moral challenges of life. In an age of specialization, Hampden-Sydney responds to the call for well-rounded men who are educated in world cultures and can bring to bear on modern life the wisdom of the past. The College seeks to awaken intellectual potential in a search for truth that extends beyond the student's undergraduate experience while encouraging him to develop clarity and objectivity in thought, a sensitive moral conscience, and a dedication to responsible citizenship.

The liberal education offered at Hampden-Sydney prepares the student for the fulfillment of freedom. It introduces the student to general principles and areas of knowledge which develop minds and characters capable of making enlightened choices between truth and error, between right and wrong. The mere facts about a subject do not speak for themselves. They must be interpreted against a background of ideas derived from an understanding of the nature of logic, language, ethics, and politics. The individual who is educated in these areas and in the basic disciplines is able to confront any event with true freedom to act, outside of the constraints of prejudice and impulse. With this object in view, Hampden-Sydney's curriculum is directed toward the cultivation of a literate, articulate, and critical mind through the study of the sciences, the humanities, and the social sciences. It provides both breadth and depth in learning while being flexible enough to encourage independent programs of study. Believing that education should be a liberating experience emancipating men from the chains of ignorance, Hampden-Sydney strives to make men truly free.

CAREER PREPARATION

Students who are uncertain of their prospective career should take a wide variety of courses in the first two years of their college work in order to gain an introduction to the various fields of knowledge. Specialization in a particular field of their choice can then be accomplished in the last two years.

Special programs are suggested for students who may wish ultimately to seek admission to one of the professions or to a graduate school.

GRADUATE STUDY

Students who plan to enroll in graduate school should maintain close liaison with members of the faculty in the area in which they plan to continue their education. In order to gain admission to graduate school, an applicant is expected to have done undergraduate work of a high caliber. A reading knowledge of at least one modern foreign language is usually required for the Ph. D. degree, and the applicant must score well on the Graduate Record Examination. For more specific requirements, students should consult the catalogues of graduate schools to which they are interested in applying.

BUSINESS AND GOVERNMENT

Students have successfully entered business and government from every major program of the College. However, the economics major is especially appropriate for students planning to enter business, government administration, or accounting. For those students specifically interested in a managerial or administrative orientation the managerial economics sequence is suggested. For details of the managerial economics program see the Economics Department requirements.

A student may enter private business or government immediately after graduation from college or after specialized study at the graduate level. Public accounting calls for the baccalaureate degree and further training leading to professional certification.

THE CHRISTIAN MINISTRY

Theological seminaries do not specify particular courses as prerequisites for admission but instead urge those who contemplate the Christian ministry to take a broadly-based selection of courses in the humanities and in the social and natural sciences. While not requiring these languages for admission, the seminaries do recommend that a prospective minister acquire in his undergraduate training a working knowledge of Hebrew and Greek. Hampden-Sydney provides all these opportunities.

LAW

The Association of American Law Schools recommends a general liberal arts education for pre-law students because "many of the goals of legal education are also goals of liberal education."

The Association recommends courses which aim toward these objectives:

1. Clarity and lucidity in verbal expression.
2. A critical comprehension of social institutions.
3. Analytical and imaginative thinking.

With the foregoing objectives in mind, Hampden-Sydney College is prepared to assist the pre-law student in planning his program of study. General guidance to students is available in the Department of Political Science, the Center for Counseling and Career Planning, and from the Pre-Law Advisors.

MEDICINE AND DENTISTRY

According to the publication *Medical School Admission Requirements* (18th edition), published by the Association of American Medical Colleges, "Medicine needs individuals with a diversity of educational background and a wide variety of talents and interests . . . Specific premedical course requirements . . . vary among the medical schools, but all recognize the desirability of a broad education—a good foundation in the natural sciences (mathematics, chemistry, biology, and physics), highly developed communication skills, and a rich background in the social sciences and humanities."

Eight semester hours of each of the following basic science courses are required for admission to virtually every medical school: general chemistry, organic chemistry, general biology, and general physics. Additional requirements are specified for some schools. Dental school requirements are similar.

A premedical student who has great interest in a non-science field may elect to major in that field. This is permissible, but he should understand that the *quality* of his science work must be unusually good to compensate for a greater quantity of science courses taken by others. In the words of *Medical School Admission Requirements* (18th edition), "the student who majors in a non-scientific field and elects the minimum number of required science courses must excel in them to insure the adequacy of his preparation and a favorable consideration of his application."

In order to prepare himself for the Medical College Admissions Test (MCAT) or the Dental Aptitude Test (DAT), generally taken at the end of the junior year, the student *must* complete the required basic science courses in his first three years. In order to develop the intellectual skills needed for good performance on the MCAT or DAT and to prove his motivation and ability for advanced study in medical/dental science, the student should elect a demanding curriculum in every semester. This should typically include at least two courses per semester in science and/or mathematics, and more for the well-qualified student who has a strong scientific orientation.

A faculty committee advises students concerning programs and applications, and prepares evaluations and recommendations.

SECONDARY SCHOOL TEACHING

The liberal arts education provides an excellent preparation for the individual who wishes not merely to qualify for, but to excel in, teaching at the secondary level. A strong major in the field to be taught, with supporting courses in related areas, is the most important preparation.

The interscience major provides a broad science background, including about six semesters' concentration in one field, and constitutes a satisfactory preparation for teaching in the field of concentration. However, the student who aspires to be a master teacher of science should elect a full major in one of the sciences in preparation for graduate study, as recommended by the National Science Teachers Association and other professional groups.

Most of the courses needed to satisfy the professional education requirements of the State may be taken at Hampden-Sydney or through the cooperative arrangement with Longwood College. The remaining course needed for full certification, student teaching, may be taken subsequently at any Virginia college which offers it. Students who think they may want to earn full certification should consult with the Registrar before the beginning of their junior year.

EDUCATIONAL FACILITIES

COMPUTER CENTER

The Hampden-Sydney Computing Center houses one of the finest academic computing systems that an undergraduate is likely to find anywhere. Located on the

first floor of Bagby Hall, the recently renovated facility is built around a Perkin-Elmer 3242 CPU with 1536 KB of main memory and a secondary on-line memory capacity in excess of 200 million bytes. True 32 bit architecture, an 8 KB cache memory, double precision floating point hardware, and microprogrammable firmware are some of the many advanced features of the 3242.

There are 32 terminals directly attached to the computer — 16 in the Computing Center and 16 distributed campus-wide. Using these 32 terminals students can run FORTRAN, BASIC and COBOL as well as an extensive library of special programs such as MINITAB. In addition, four 1200 BPS dial-up lines make it possible for users to access the computer from any remote location where there is a telephone.

The College also has several microcomputers that are available for student use. These are used primarily in monitoring laboratory experiments and as realtime data collectors for the 3242.

LANGUAGE LABORATORY

A foreign language laboratory equipped with thirty individual booths is located in Bagby Hall for the instruction of students in audio-lingual skills. Regular work in the development of these skills is required of all first and second-year students in modern languages.

EGGLESTON LIBRARY

The book collection, numbering more than 110,000 volumes, got its start in 1775, nearly a year before the beginning of classes, when the Board of Trustees sent President Samuel Stanhope Smith to Philadelphia to purchase books for the new school. It is growing at the rate of some 4,000 volumes a year. More than 500 periodicals and scholarly journals are received regularly. In addition, the library is a depository for selected U.S. Government publications.

The present building, named for former President Joseph DuPuy Eggleston, provides seating space for 450 readers, individual study tables, typing cubicles, seminar rooms, a microform room, a listening room, and an outdoor reading terrace. Coin-operated Xerox facilities are available.

GILMER SCIENCE CENTER

Gilmer Science Center, completed in 1968, has 62,500 square feet of teaching space, including a separate greenhouse. It is unusually well equipped for undergraduate training in biology, chemistry and physics. All three departments are research-oriented, and

special areas have been designed for faculty research, independent student research, and cooperative faculty-student projects.

SPECIAL PROGRAMS

SPRING SHORT TERM

Hampden-Sydney conducts a "short term" from mid-May to late June. The purpose is to provide students an opportunity to take courses which are experimental in content or presentation, particularly those which require extensive time off campus, and to enable them to finish their degree requirements in three years at Hampden-Sydney if they desire.

The maximum course load that a student may carry during the short term is six semester hours. Fees are charged by the course-hour. Only students who are in good standing at Hampden-Sydney or other colleges shall be eligible for admission to the May short term.

WASHINGTON SEMESTER PROGRAM

Hampden-Sydney College is one of approximately 100 colleges and universities in the United States participating in the Washington Semester Program of the American University in Washington, D.C. The Program is designed to afford well-qualified students an opportunity to study American government in action, not only through courses in the School of Government and Public Affairs, but also through the Seminar, which brings students into direct discussion with major public officials, political figures, lobbyists, and others active in national government. In addition to the regular Washington Semester, the arrangement with the American University includes the Washington Urban Semester, the Foreign Policy Semester, the Justice Semester, the Economic Policy Semester, the American Studies Semester, and the Washington Science and Technology Semester. The Seminar of the Foreign Policy Semester brings the student into contact with government officials, policy planners, key legislators, foreign embassy personnel and national defense officials, while course work is taken in the School of International Service. The Urban Semester involves work in urban management, civic problems, and contact with officials in the urban planning of Washington and surrounding communities. The Justice Semester includes work with justice officials on all levels of government to provide a

realistic picture of executive department implementation of crime-related legislation, federal investigative agencies, and the role of the federal court system in the administration of law. The Washington Economic Policy Semester is an intensive examination of the policy-making process in Washington, particularly as it relates to economic policy. The Washington Science and Technology Semester includes seminars, field study, and research to give insight into the present state of science and technology in specific national problem areas, such as the energy crisis.

The Program enables a student to earn sixteen semester hours of credit. This credit is earned through participation in three facets of the Program.

The Seminar (8 credit hours) which consists of a program of reading and dialogue between students and faculty and those in the Washington community who participate. Seminar sessions are held every week at either American University or the offices and committee rooms of the invited participants.

The Internship (4 credit hours) provides each student with an opportunity to gain first-hand experience as a member of the staff of an organization directly involved in the area of study. Internships are available in both the public and private sectors.

The Research Project (4 credit hours) gives students a broad latitude in treating subjects and issues within their area. Guidance is provided by the director of the program.

Only a few Hampden-Sydney students are accepted each semester. Student applicants must be seniors, juniors, or second semester sophomores at the time of their participation in the Program. Applicants must possess a cumulative grade average no lower than the line between B and C (2.5 on a 4 point scale) to be considered for admission. Nominations are made in early October and April for succeeding semesters. Applicants need not be Political Science majors, but must have had the equivalent of American Government or a beginning course in political science. Application instructions are announced twice a year.

Successful nominees pay tuition and fees to Hampden-Sydney. They are considered by both institutions to be constructively registered at Hampden-Sydney, and the semester's work at American University becomes part of the Hampden-Sydney transcript for degree credit.

Although the fees are paid to Hampden-Sydney, the costs are those charged by American University. An estimated breakdown of costs for the Washington Semester is listed below (1979-80 estimate):

1. Tuition	\$2,040.00
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2. Room Rental Fee (Per Student) —	
Double Room	635.00
Triple Room	431.00
3. Student Activity Fee	15.00
4. Residence Hall Association Fee	3.00
5. Parking Permit Fee	45.00

APPALACHIAN SEMESTER PROGRAM

The Appalachian Semester Program is conducted at Union College, Barbourville, Kentucky. It is a unique interdisciplinary academic program in which junior and senior students from higher educational institutions throughout the United States devote their full time to studying the Appalachian region—its strengths, problems and challenges. The program includes nine hours of credit in sociology at the upper division level, and six hours for field work in a variety of disciplines. Field work may be either experiential learning of a regional nature in a local service agency or other institutional setting, or it may be directed study in the region at large. The program is designed to combine interdisciplinary classroom experiences and on-the-scene community experiences into a "living-learning" situation where total involvement of students and faculty may take place. Opportunities are provided to discuss with local and regional leaders assets and problems of the region, and field trips are coordinated with seminar discussions in order to involve participants on the spot with current regional issues. Applications should be made to the Dean of the Faculty.

DUAL DEGREE PROGRAM

Hampden-Sydney College and Georgia Institute of Technology have established a plan whereby an undergraduate student will attend Hampden-Sydney College for approximately three academic years and the Georgia Institute of Technology for approximately two academic years. After completing the academic requirements of the two cooperating institutions, the student shall be awarded a bachelor's degree from Hampden-Sydney College and one of the several designated bachelor's degrees awarded by the Georgia Institute of Technology.

Dual Degree candidates from Hampden-Sydney College are eligible to seek any of the following degrees from Georgia Institute of Technology:

Bachelor of Aerospace Engineering
 Bachelor of Ceramic Engineering
 Bachelor of Chemical Engineering

Bachelor of Civil Engineering
 Bachelor of Electrical Engineering
 Bachelor of Engineering Economic Systems
 Bachelor of Engineering Science
 Bachelor of Industrial Engineering
 Bachelor of Mechanical Engineering
 Bachelor of Nuclear Engineering
 Bachelor of Science in Textile Chemistry
 Bachelor of Science in Textiles
 Bachelor of Textile Engineering

Interested students should consult the Hampden-Sydney Dual Degree program director, Dr. Beard, for information concerning specific course requirements.

APPLIED CHEMISTRY COOPERATIVE PROGRAM

Hampden-Sydney College and Virginia Polytechnic Institute and State University have established a cooperative program for students seeking careers in chemical engineering and/or applied chemistry, in which the student spends his first three years as a chemistry major at Hampden-Sydney followed by his senior year in the Department of Chemical Engineering at VPI&SU. Upon satisfactory completion of the program, the student is awarded the B.S. in chemistry from Hampden-Sydney. A student completing the program is eligible to begin study for the M.S. in chemical engineering at VPI&SU, upon approval by that institution, in a program requiring two summers and one academic year.

Students interested in this cooperative engineering program should contact the program advisor, Dr. Smith.

EXCHANGE

Hampden-Sydney College participates with Hollins College, Randolph-Macon Woman's College, Sweet Briar College, and Mary Baldwin College in a program known as EXCHANGE: A College Consortium. This program is designed primarily for juniors to study for a semester or academic year at one of the four other schools. Purposes of the program are to broaden the educational opportunities of students and to provide a diverse campus environment.

Eligibility of the student to participate is determined by the home institution. Students who are interested should apply to the Registrar.

LONGWOOD COLLEGE COOPERATIVE PROGRAM

The variety of courses available to Hampden-Sydney students has been increased by a cooperative

arrangement with Longwood College under which full-time students at either institution may enroll for certain courses at the other institution without added expense. A list of approved Longwood courses is maintained in the Registrar's Office. Application for a Longwood course is made through the Registrar of Hampden-Sydney, preferably at the time of pre-registration. Students are registered on a space-available basis.

ROTC

Hampden-Sydney men may enroll in the ROTC program conducted at Longwood College as part of the Longwood College Cooperative Program. Application for Military Science courses is made through the Registrar at Hampden-Sydney, just as for any other course at Longwood. Such courses are recorded on the student's transcript. *However, Military Science courses do not count as hours toward graduation, nor are they computed in the student's grade point average.*

Application for acceptance in the Advanced Course requires the nomination of the President of Hampden-Sydney College and acceptance into the Course by the Officer in Charge.

FOREIGN STUDY

Hampden-Sydney College does not conduct its own "study-abroad" program, but Hampden-Sydney students are eligible for some of the foreign study programs sponsored by other colleges on terms established by those institutions. In addition, the Foreign Study Committee can *recommend* to the Registrar that credit be given for satisfactory completion of any of a number of other programs involving academic work abroad. The programs approved usually require the student's participation in a group sponsored and supervised by an accredited American institution, or a recognized administrative agency, and the individual program must clearly form a legitimate part of the student's curriculum. The Committee's criteria for recommendation for credit include a minimum GPR and the approval of the student's major department and advisor. Ordinarily, no student who has accumulated fewer than 45 or more than 90 semester hours work at Hampden-Sydney will be eligible for foreign-study credit; all foreign-study credit will be counted. The recommendation for credit must be obtained *in advance* of the work abroad.

THE HONORS PROGRAM

The Honors Program is designed specifically for the man who has given evidence of intellectual curiosity, independence of thought, excitement about learning, and an appreciation of knowledge—for the sort of man who sparks the enthusiasm of his fellow students and challenges the best in his teachers. Participants in the program are encouraged to take an active role in the learning process, entering into dialogue with their professors and classmates, rather than just listening to lectures. The size of Hampden-Sydney, and her excellent faculty, make her uniquely suited to provide a learning environment for this type of motivated student.

The program provides the following components (each an independent entity that can be elected by the students): (1) *Introductory Honors* for freshmen and sophomores, consisting of one course per semester for four semesters. Four-fifths of the student's academic work is taken in the broader curriculum of the college during this period. (2) *Honors Independent Study* for juniors and seniors, comprising a series of courses, independent studies, or tutorials organized around a specific theme (generally cross-disciplinary) and culminating in an independent project. (3) *Honors Majors* are available to upperclassmen in specific departments. These consist of special courses and appropriate directed reading or independent study. Each student participating is designated a Fellow of the College, sharing fully in the ongoing creativity of the Faculty and his fellow Honors students.

Supervision of the Honors Program is the responsibility of the Honors Council, comprised of an advising-teaching team of faculty, administrative officers of the College, and members of the Board of Trustees of the College. Participation in Honors work is limited to demonstrably superior students who either apply for membership in the program or are nominated by guidance counselors or professors. Interested students should consult the Director of the Honors Council, Dr. Rogers. Entrance into any phase of the program is subject to the approval of the Honors Council.

SENIOR FELLOWSHIPS

In the spring of their junior year a group of men are selected to be Senior Fellows for the following year. These men must demonstrate the maturity, intellectual competence, and imaginative curiosity to warrant their pursuit of a program of independent study contributing to their own enrichment and that of the College. The Fellows are permitted the maximum amount of freedom consonant with the satisfactory development and

completion of their personal project. This normally includes the waiving of conventional curriculum requirements. Each Senior Fellow shall work closely with an advisor in executing his program of study. Usually the Fellow is required to submit a year-end report of his efforts. The essence of the Senior Fellowship program is responsible individualism. Within a reasonable academic framework, the student is offered an unexcelled opportunity for personal intellectual fulfillment.

Selection of the Fellows is made by the President on the recommendation of the Honors Council. The Council shall provide general supervision of all programs and may prescribe certain requirements for the Fellows. Also, the Council must certify at year's end that the program of study undertaken has been successfully completed.

Members of the junior class may become candidates for Senior Fellowships by individual application, or on nomination by any member of the faculty. Each candidate must file his application with the Director of the Honors Council during the first few weeks of the second semester. He shall include in his application the name of the faculty member who has consented to be his principal advisor and a detailed description of his project, what he proposes to do, why he wants to do it, and how to achieve his purposes. Senior Fellows pay full tuition.

THE RHETORIC PROGRAM

The Rhetoric Program was established by a vote of the faculty in 1977-1978. The purpose of the program is to assure that all graduates of the College are able to write and speak clearly, cogently, and grammatically. The program is divided into a two-course sequence, Rhetoric 101 and 102.

Rhetoric 101 teaches the mechanics of effective writing—from basic sentence patterns through paragraph development to the preparation of an effective paper. Entering students with scores at or above 650 on the SAT Verbal or English Achievement Tests, or 60+ on the TSWE, may be *considered* for exemption from Rhetoric 101.

Rhetoric 102, required of all students, focuses on the study and composition of the essay, with special attention to stylistic clarity, vocabulary building, and research techniques.

Each student must pass a proficiency examination in rhetoric at the end of his sophomore year. The examination will be a combination of an objective test and a timed essay, the essays to be evaluated by faculty members drawn from the faculty at large.

A student who performs unsatisfactorily on this examination has the option of taking a short-term course, auditing a freshman rhetoric course, or seeking tutorial assistance. Opportunities for a retest will be provided, and a student may not begin his senior year (seventh semester) until he has satisfied this proficiency requirement.

This requirement applies equally to all students, whether transfer students or not.

Students who entered Hampden-Sydney prior to the fall of 1978 and who have not satisfied the English composition proficiency requirement will be allowed to do so by successfully completing Rhetoric 101.

Students who successfully completed English 105 will be allowed to take Rhetoric 102 for graduation credit hours but not distribution credit hours.

THE ADVISING SYSTEM AND MAJORS

FACULTY ADVISORS

Advisors are assigned to incoming freshmen upon admission. The educational goals of the student as well as his vocational and avocational interests provide the basis for the selection of his advisor. Each student is urged to consult with his advisor before registering for classes each semester and whenever an academic problem or opportunity warrants the need of counsel.

In the spring of the sophomore year, each student must declare his major or area of concentration, and is assigned to his major department for subsequent advising. Later, during the spring semester, each sophomore is asked to consult with his advisor and plan a coherent program for the junior and senior years. The advisor may give guidance to the student in the choice of graduate or vocational opportunities.

MAJORS

A student may elect to major in any one of the following disciplines or groups of disciplines:

Biology	Latin
Biochemistry	Management Economics
Biophysics	Mathematics
Chemistry	Mathematics and
Chemical Physics	Computer Science
Classical Studies	Mathematics and
Economics	Natural Science
Economics with	Philosophy
Mathematics	Physics
English	Political Science

French

Greek

Greek and Latin

History

Humanities

The requirements for each of these majors may be found in the section on Course Descriptions.

Psychology

Religion

Religion and Philosophy

Spanish

REQUIREMENTS FOR THE BACHELOR'S DEGREE

It is solely the responsibility of the candidate for graduation to make sure he meets all of the stated requirements for the degree.

Every student who completes the following requirements in ten or fewer semesters will receive a Bachelor of Arts degree, or for a student majoring in the natural sciences who requests it, a Bachelor of Science degree.

PROFICIENCY REQUIREMENTS

Proficiency in Rhetoric and in a foreign language at the 200 level; each proficiency is to be demonstrated either by examination or by course work (i.e., two 3-hour semester courses in Rhetoric; two semester courses in a foreign language at the 200 level, or one 3-hour course at the 300 level).

DISTRIBUTION REQUIREMENTS

Successful completion of six courses (each of three semester hours credit) in four departments in the Humanities, and three courses (each of three or four semester hours credit) in two departments in both the Social and the Natural Sciences. In addition, one of the courses in the Natural Sciences must include, or be taken with, a related laboratory course. Neither courses taken to satisfy proficiency requirements nor courses taken in the department of the major may be used to satisfy the distribution requirement. For this purpose the departments in the various divisions are:

Humanities

(18 hours; 4 departments)

Classics, English, Fine Arts, Modern Languages, Philosophy, Religion, Western Man

Social Sciences

(9 hours; 2 departments)

Economics, History, Political Science, Psychology (including Sociology)

Natural Sciences

(10-12 hours; minimum of 1 lab course; 2 departments)
Biology, Chemistry, Mathematics, Physics

CREDIT HOURS REQUIREMENT

Successful completion of enough course work to total 123 semester hours of credit. The semester hour of credit is authorized for a class which meets 50 minutes per week for the semester or for the laboratory which meets two and one-half hours per week for the semester.

MAJOR REQUIREMENT

Successful completion of the courses required to qualify for a major in the department or area of specialization.

RESIDENCE REQUIREMENT

A minimum residence of two academic years, including the last year preceding graduation. A minimum of sixty hours of credit (of the 123 hours required for graduation) must be earned in courses taught at Hampden-Sydney. Following termination of the last semester of residence a student may receive no more than eight semester hours of credit for work done elsewhere.

QUALITY REQUIREMENT

A grade point average of 2.0 (C) on work taken at Hampden-Sydney and in cooperative programs, or 123 hours of C work or better, at least sixty hours of which must be earned in courses taught at Hampden-Sydney. The grade point average is calculated by dividing the total quality points earned at Hampden-Sydney and in cooperative programs by the total hours attempted.

REQUIREMENTS FOR A SECOND BACHELOR'S DEGREE

Anyone who has earned a bachelor's degree at Hampden-Sydney or elsewhere may seek to earn a second bachelor's degree at Hampden-Sydney. The candidate for the second degree must be cleared by the regular admissions process. Granting of the second degree requires the completion of two semesters of residence at Hampden-Sydney and of at least 30 hours of academic credit during that period. In addition, fulfillment of the present core requirements through courses taken in the original four-year program and/or courses taken in the fifth year, and similarly the fulfillment of the course requirements for an academic major distinct from the major of the original bachelor's degree, are required. The student's proposed fifth year program must also be approved for overall coherence and quality by the Dean of the Faculty and the chairman of the major department.

ACADEMIC REGULATIONS

Academic rules, regulations, practices and procedures are fundamental to the total educational program at Hampden-Sydney College. Each student who enrolls at Hampden-Sydney is expected to become familiar with the regulations and practices set forth in the following section.

GRADES AND QUALITY POINTS

Course work is evaluated in the following terms:

Grades		Quality Points per semester hour
A	Excellent	4
A-	.....	3.7
B+	.....	3.3
B	Good	3
B-	.....	2.7
C+	.....	2.3
C	Fair	2
C-	.....	1.7
D+	.....	1.3
D	Poor	1
E	Failure, may continue*	0
F	Failure	0
WF	Withdrew Failing	0
W	Withdrew	0
I	Incomplete	0

*This grade is given only for the first semester of continuing (0-6) courses. If a student receives the grade of E, he may continue in the following semester of that course. If the grade for the second semester is passing, the student will not be required to repeat the work of the first semester, and the graduation requirement of the whole course will be fulfilled. No hours of credit will be given for the semester which bears the grade of E.

SATISFACTORY PROGRESS

A student who at the end of any semester has an accumulated grade point ratio below 2.00 or who has fewer accumulated hours than listed below is not making satisfactory progress toward a degree:

Semester	1	2	3	4	5	6	7
Hours	14	28	43	58	73	89	105

PROBATION FOR ACADEMIC REASONS

A student who at the end of any semester has completed fewer semester hours and/or has a grade point average

below those listed below is placed on academic probation. A student on academic probation is required to enter the Study Skills Program as a condition of continuing enrollment in the College.

Minimum Single Semester's Record

Effective Semester in College	1	2	3	4 or more
Hours	8	8	12	12
Grade-Point Ratio	1.2	1.3	1.4	1.5

Minimum Accumulated Record

Effective Semester in College	1	2	3	4 or more
Grade-Point Ratio	1.2	1.6	1.8	2.0

SUSPENSION FOR ACADEMIC REASONS

1. A student who is not off probation at the end of any probationary semester is suspended from enrollment, subject to review by the Executive Committee of the Faculty.
2. Any student who receives a grade of E or F in 50%, or more, of the hours he has attempted in any one semester is suspended from enrollment.
3. A student who returns to Hampden-Sydney after an academic suspension or other absence and whose academic record justifies his being on probation at the time of his return will be placed on academic probation.
4. The semester standing of a transfer student with respect to academic probation regulations will be determined by the sum of hours transferred from other institutions and hours attempted at Hampden-Sydney.

READMISSION STATEMENT

If a student is dismissed from the College for academic, honor, or disciplinary causes or if he should withdraw voluntarily, he must make formal application for readmission. His application will be considered by the admissions committee, which will review his entire academic and citizenship record while at

Hampden-Sydney (and in some cases his secondary school record) as well as his activities during the period of his separation from the College. Each decision is made on an individual basis, and the admissions committee is in no way obligated to readmit any student no matter what the circumstances of his withdrawal or the terms of his suspension. Although students often discuss their chances of readmission with faculty, staff, and friends of the College, no one can at the time of separation guarantee the decision of the admissions committee regarding readmission.

CLASS ATTENDANCE

Since a college education is given direction by the work of the classroom, class attendance is essential. Professors inform their classes at the beginning of each semester what attendance is expected in each course. Students who find it necessary to miss classes for a number of days should inform the Dean of Students. Students who find it necessary to leave the campus for medical reasons are expected to consult with the College physician. Absences for medical reasons require a written statement from the attending physician.

FRESHMAN REGISTRATION

Each new student will register for first semester courses during orientation. Prior to registration, however, he will meet with his faculty advisor to review his course selections. If necessary, changes may be made in his selections before classes begin.

COURSE LOAD REGULATIONS

1. Every student needs to carry a normal course load of 15-16 hours each semester in order to make satisfactory progress towards the 123 hours required for graduation.
2. Every student must carry a minimum course load of twelve hours each semester. To take fewer than twelve hours, the student must receive the permission of his advisor and the Dean of the Faculty.
3. No student may take more than nineteen hours in any semester.
4. A student hopelessly deficient in one subject may, with the permission of the instructor, advisor, and the Registrar, drop that course. The grade for the semester will be recorded as WF.
5. Courses may not be added after the first week of classes in any semester.
6. Courses may be dropped without penalty only during the first four weeks of classes in any semester and then only with the permission of the advisor and the instructor. A fee of \$5.00 will be charged students for each course dropped during this period.

Note: These course regulations may be modified by action of the Executive Committee of the Faculty.

EXAMINATIONS

Examinations are held at the end of each semester. A charge of \$5.00 payable to the Business Office, is made for special examinations.

RE-EXAMINATIONS (SPRING SEMESTER ONLY)

Seniors who were doing passing work in a course prior to examination week their final Spring semester but who fail the final examination may, upon the recommendation of the professor concerned and the approval of the Dean of the Faculty, be granted a re-examination. The re-examination stands in lieu of the regular examination and must be averaged with all other grades used in the computation of the final grade, which in no case may be higher than a D.

GRADE REPORTING

At the end of each semester a grade report is sent to the parent or guardian of each dependent student. Once during the first semester and once during the second semester, reports of unsatisfactory progress in specific courses are similarly sent.

INCOMPLETES

Grades of Incomplete (I) must be removed no later than three weeks following the end of the semester or the grade automatically becomes an F.

DEAN'S LIST

The Dean's List is composed of those students who receive a grade point ratio of at least 3.3 for fifteen hours or more of work in any given semester.

GRADUATION WITH HONORS

Graduation with honors shall be according to the following requirements:

summa cum laude
a grade point ratio of 3.7
magna cum laude
a grade point ratio of 3.5
cum laude
a grade point ratio of 3.3

TRANSFER CREDIT

A student transferring college credit from another institution must have earned a grade of C or better for

each course accepted for credit. No quality points are given.

Credits are allowed only for courses which are equivalent to those available at Hampden-Sydney and which are not being presented toward a degree at any other institution. No credit will be given for correspondence courses.

SUMMER SCHOOL CREDIT

Subject to departmental approval, hours earned for courses taken in summer school at a four-year accredited institution are accepted if the grade earned was C or higher. The grade and hours earned are entered on the student's transcript, but no quality points are given and the grade point ratio is unaffected.

WITHDRAWAL FROM COLLEGE

Any student who withdraws from the College must have the approval of the Dean of the Faculty and the Dean of

Students. A student resigning on or after December 1 of the first semester or April 1 of the second semester will receive a grade of WF in all courses. He is not ordinarily eligible to return the next semester.

EXCLUSION FROM COLLEGE

The College authorities reserve the right to exclude at any time a student whose conduct or academic standing they regard as unacceptable; in such a case fees will not be refunded or remitted, in whole or in part.

LEARNING DISABILITIES

Every student is expected to complete the academic requirements for graduation. However, if a student has a learning disability which might hamper his academic progress, this must be called to the attention of the Dean of the Faculty as soon as the student enrolls. Appropriate documentation will be required at that time.

ACADEMIC CALENDAR 1980-81

First Semester, 1980

August

- 21 – Thursday – Freshmen and transfer students report
- 25 – Monday – All other students report
- 26 – Tuesday – Classes begin

September

- 2 – Tuesday – Last day of Add Period
- 23 – Tuesday – Last day of Drop Period

October

- 3 – Friday – Fall break begins after classes
- 8 – Wednesday – Classes resume
- 24 – Friday – Deficiency reports due in Registrar's Office

November

- 26 – Wednesday – Thanksgiving break begins after classes

December

- 1 – Monday – Classes resume
- 12 – Friday – Last day of classes
- 13 – Saturday – Study day
- 15 – Monday – First day of Exams
- 19 – Friday – Last day of Exams

Second Semester, 1981

January

- 20 – Tuesday – All students report
- 21 – Wednesday – Classes begin
- 28 – Wednesday – Last day of Add Period

February

- 18 – Wednesday – Last day of Drop Period

March

- 13 – Friday – Deficiency reports due in Registrar's Office
- 20 – Friday – Spring break begins after classes
- 30 – Monday – Classes resume

May

- 12 – Tuesday – Last day of Classes
- 13 – Wednesday – Study day
- 14 – Thursday – First day of Exams
- 19 – Tuesday – Last day of Exams
- 24 – Sunday – Graduation

ADMISSIONS REQUIREMENTS AND PROCEDURES

The secondary school academic record has the single most important influence on the admissions decision. Prospective students are expected to have mastered a solid, demanding academic program before coming to Hampden-Sydney, including at least four units of English, two units of one foreign language, two units of algebra, one unit of geometry, one unit of biology, chemistry, or physics, and one unit of social science. In addition, a third unit of foreign language and a fourth unit of math are recommended. Also significant are the student's scores on the Scholastic Aptitude Test and English and Math Achievement Tests of the College Entrance Examination Board (all three of which should be taken by January of the senior year). Recommendations of secondary school guidance counselors and teachers, personal qualifications, and contributions to school and community are carefully weighed. It is recommended that students seeking admission to the College stand in the top half of their high school class and have a combined SAT score of 1000 or better.

Entering freshmen who have completed advanced work in secondary school or present satisfactory grades on the Advanced Placement Examinations of the College Entrance Examination Board, or other appropriate evidence, may receive credit toward graduation and may be placed in courses above the introductory level. In all cases, decisions regarding advanced placement and credit are made by the departments involved.

Interviews are not required, but applicants are strongly encouraged to visit the campus and the admissions office. Students conduct tours of the campus, and conferences with professors can be arranged. A written or telephone request for an appointment with a member of the admissions staff should be made several days before the visit. The admissions office is located on the second floor of Atkinson Hall, and is open year-round from 8:30 a.m. to 4:30 p.m., Monday through Friday, and on Saturday mornings from 9:00 a.m. until noon.

Candidates for admission under the *regular plan* should submit their applications in the fall of the senior year. Most students are notified of the admissions decision in late February or early March. The candidate must accept or reject the College's offer by May 1. After March 1 applications can be considered only if openings remain in the class.

Candidates for admission to the freshman class

under the *early decision* plan should file applications by November 1. The early decision candidate agrees to apply only to Hampden-Sydney until he is notified of the College's decision; he agrees to send his completed application, including transcript and SAT and Achievement Test Scores, to the College by November 1 (financial aid applicants must have the Financial Aid Form filed with the College Scholarship Service by November 1, preferably much earlier); he agrees to notify Hampden-Sydney of his decision by the date stated in his acceptance letter; and he must agree not to apply elsewhere after confirming his intention to enroll at Hampden-Sydney. Under the early decision plan, Hampden-Sydney agrees either to accept or defer applicants by November 15. (The deferred applicant then receives thorough, unbiased consideration under the regular plan. The deferred candidate is also free to apply to other colleges.) The College also agrees not to require the accepted applicant to take further admission tests — if he decides to attend the College.

Qualified transfer students desiring to enter in August should apply by June 1; those interested in second semester admission should apply by December 1. With an A.A. degree from an accredited community or junior college and a 3.0 (B) or higher grade average, a student is normally admissible to the College with junior standing and can be credited with the completion of sixty semester hours of courses toward graduation. Credit may be given for course work similar to that offered by Hampden-Sydney from an accredited institution; however, no credit will be allowed for work taken elsewhere if the student earns credit for equivalent work at Hampden-Sydney. Community and junior college students who are not A.A. recipients are welcome to apply; however, the courses that transfer will be considered individually. Staff members are happy to review a student's transcript and advise him concerning the transfer credits. A student from another institution must have earned grades above the minimum passing mark in all courses which he presents for transfer. The College will deny admission to a transfer applicant if he is ineligible to return to the college from which he wishes to transfer.

A transfer student must meet Hampden-Sydney's proficiency and distribution requirements, either at the community or junior college or after matriculation at the College.

NOTICE OF NON-DISCRIMINATORY POLICY AS TO STUDENTS

Hampden-Sydney College admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the College. It does not discriminate on the basis of race, color, national and ethnic origin or physical handicap in the administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other College-administered programs.

FINANCIAL AID

Applying for financial aid from the College is relatively simple. If you are *not* a resident of Virginia, you need complete only one form — the Financial Aid Form (FAF). For residents of Virginia there is one additional form — the application for the Virginia Tuition Assistance Grant and Loan Program (TAGLP).

The FAF may be obtained after December 1 from one's high school guidance officer or from the Hampden-Sydney financial aid office. It should be completed after January 1 by the applicant or his parents and mailed before March 1 to the College Scholarship Service (CSS). Hampden-Sydney (CSS code number 5291) should be designated as a recipient. If for some reason it is impossible to submit the FAF before the deadline, the financial aid office should be notified immediately.

Every student who applies for financial aid *must* apply for a grant from the Basic Educational Opportunity Grant Program (BEOG). This is done simply by authorizing the CSS, when completing the FAF, to send the reported information to BEOG. Administered by the federal government, BEOG is designed primarily for students who have significant financial need. Awards are up to \$1,600, but the exact amount of a grant depends upon one's level of eligibility.

Virginia residents applying for financial aid *must* complete the College Scholarship Assistance Program (CSAP) information on the FAF and request that a copy be sent to the State Council of Higher Education for Virginia (CSS code number 0068). The CSAP provides grants, based on need, to Virginia residents attending public and private colleges and universities in the state.

In-state residents must also complete a separate application for an award from the Virginia Tuition Assistance Grant and Loan Program (TAGLP). The grant — based on residency, not on need — is available to every *bona fide* resident of Virginia who attends an eligible private college or university in the state. An application may be obtained from the Hampden-Sydney financial aid office; the completed form must be returned to the College prior to June 1. The TAGLP award automatically becomes part of the financial aid award of Virginia residents.

In addition to the regular financial aid program, Hampden-Sydney offers several scholarships, awarded without regard to financial need, which recognize outstanding academic and extracurricular achievement.

The Allan Scholarships are awarded to young men of superior academic achievement and proven qualities of intellectual leadership. Recipients receive four-year stipends of \$1,000 per year or their full financial need plus \$500, whichever is greater.

The Venable Scholars are chosen on the basis of

academic excellence and proven qualities of leadership. Recipients receive four-year stipends of \$1,000 per year or their full financial need plus \$100, whichever is greater.

Patrick Henry Scholars are chosen on the basis of proven qualities of leadership and academic excellence. They receive four-year stipends of \$1,000 per year or their full financial need, whichever is greater.

Moomaw Leaders are chosen on the basis of proven qualities of leadership. Recipients receive four-year stipends of \$500 per year or their full financial need, whichever is greater.

All financial aid awards must be renewed annually. All students are expected to maintain at least a 2.0 (C) grade point average each academic year to retain aid for the next year. Financial assistance may be completely withdrawn if one's citizenship or academic work does not meet the standards of the College. Financial aid consumer information may be obtained from the Director of Financial Aid.

Inquiries concerning financial aid should be addressed to Mr. Thomas H. Shomo, Director of Financial Aid (telephone 804-223-4381).

EXPENSES*

FIXED EXPENSES

Hampden-Sydney does not operate for profit, and expenses are maintained at a minimum consistent with efficiency and high standards. Actual student fees account for approximately 65% of the total cost of the student's education. The remainder is provided by income from endowment and by gifts from the Synod of the Virginias, alumni, friends, and foundations.

Expenses* and costs listed below are composed of certain fixed fees payable to the College, along with several variable expenses.

	1980-81
Comprehensive Fee	\$4,325.00
Room Rent:	
Cushing & Venable	400.00
Room Rent:	
Whitehouse & Hampden	
House Units	500.00
Board:	
10 meals per week	\$810.00
15 meals per week	860.00
19 meals per week	950.00
Special Fees:	
Course Overload, per credit hour	\$85.00
Damage Deposit	100.00
Late Enrollment	15.00
Graduation Fee	50.00
Athletic Center Fee	25.00

*The College reserves the right to increase charges without prior notice.

VARIABLE EXPENSES

Each student pays for his own:

Books (approximate cost)	\$175.00
Personal Expenses and Transportation	(determined by student and his parents)
Laboratory Breakage Deposit (for certain courses; returnable except for the actual cost of materials destroyed or consumed).	

Books may be purchased at the College Bookstore on a cash basis only. Laundry may be arranged through local laundries, or students may use the self-service laundromats on and near campus. Personal expenses involving clothes, travel, entertainment, dues to organizations, and incidentals are subject to personal habits and means.

EXPLANATION OF FEES

The Comprehensive Fee covers tuition, materials required in laboratory courses, medical care in the College infirmary, accident and hospitalization insurance, admission to athletic events held on the campus, the cost to students of student publications, and some other activities. The fee does not cover breakage of College property or the purchase of expendable materials for laboratory courses.

Students who by special permission of the Executive Committee are taking more than 19 hours of course work in a given semester must pay an overload fee for credit hours above 19.

Room rent in the dormitory covers cost of occupancy and use of utilities. Freshmen live in Venable and Cushing Halls and sophomores and upperclassmen in Cushing and Whitehouse Halls and the Hampden House Units.

Each student is responsible to the College for the condition of his room and is expected to report any damage of College property to the Dean of Students. He must pay the costs of repairs or replacement and, depending on the circumstances, may suffer disciplinary action.

In the senior year there is payable by February 1 a graduation fee of \$50.00, which covers cost of diploma and rental of cap and gown for the Commencement functions.

The Athletic Center Fee covers the use of: swimming pool; three basketball and indoor tennis courts; 1/10 mile track; squash, handball, and racquetball courts; sauna; and universal gym.

PAYMENT OF FEES

One-half of all charges is payable on or before registration in August; the balance is due on or before registration in January.

If an account is not paid at the time of registration, the College regards the student's account as delinquent unless arrangements satisfactory to the Vice President for Finance have previously been made. A student whose account is delinquent is not entitled to board, room, registration, admission to classes, or issue of transcripts.

In unusual circumstances an extended deferment may be granted by the Vice President for Finance. However, this would involve interest charges on the balance outstanding.

Checks should be made payable to Hampden-Sydney College and mailed to the Business Office.

RETURN OF FEES

There is no refund of fees, except when the College physician recommends the withdrawal of a student before the middle of a semester for reasons of health. There is no refund of room rent. A refund of unused board is allowed if withdrawal occurs prior to two weeks before the end of a semester.

SCHOLARSHIP PAYMENTS

One-half of the value of a student's financial aid award will be credited against the first semester's charges; the balance will be credited to the student's account for the second semester.

LIFE INSURANCE

The University Life Insurance Plan is available to Hampden-Sydney students on an optional basis. It provides coverage of \$10,000 of annually renewable, convertible term insurance with the Fidelity Bankers Life Insurance Corporation.

INSURANCE ON PERSONAL POSSESSIONS

College insurance does not cover losses of personal property of students as a result of fire, theft, etc. Therefore, parents may want to consider a floater on their insurance policy to cover these types of eventualities.

ENDOWED SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and the generosity of the contributions of alumni, parents, and friends to the general scholarship endowment. Each of the endowed scholarships listed below produces significant income which supplements the College's financial aid program and is, therefore, individually designated. Endowed scholarships established after July 1, 1979, will not be individually designated unless the capital contribution is \$25,000 or more.

THE FLORENCE J. ABNEY MEMORIAL SCHOLARSHIP was established in 1961 by a gift of Miss Florence J. Abney. Preference is given to students from the State of West Virginia.

THE COLONEL AND MRS. GEORGE E. ADAMSON SCHOLARSHIP was established in 1946 by Colonel Adamson of Washington, D.C., to be given to a member of the senior class on the basis of financial need, character, and promise.

THE ARA SERVICES SCHOLARSHIP FUND was established in 1965 and later supplemented through gifts of ARA Food Services Company.

THE GEORGE SLOAN ARNOLD LOAN AND SCHOLARSHIP FUND was established in 1979 by George Sloan Arnold of Romney, West Virginia. The fund is in memory of Henry Bell Gilkeson and Robert William Gilkeson, the father and brother of Mr. Arnold's wife, Laura. Henry Bell Gilkeson was a member of the Hampden-Sydney Class of 1873, and Robert William Gilkeson was a member of the Class of 1907.

The income from the fund shall be used for the award of loans and scholarships to worthy students who demonstrate financial need and academic excellence. Preference is given to qualified students first from Hampshire County, West Virginia, and second from West Virginia.

THE PAUL TULANE ATKINSON MEMORIAL SCHOLARSHIP FUND was established in 1964 by gifts from the late Mr. Carlyle Gee, Class of 1926, of Greensboro, North Carolina, and other friends and alumni of the College in memory of Mr. Atkinson, Treasurer of the College from 1919 to 1957.

THE FRANK C. BEDINGER SCHOLARSHIP was established in 1977 by a gift from the late Frank C. Bedinger '05 of Boydton, Virginia. The scholarship is awarded to pre-law students on the basis of superior academic achievement, outstanding leadership abilities, the promise of potential usefulness, and evidence of financial need. Where no financial need exists, the award will be \$500.

THE GEORGE H. AND MINNIE BRADLEY ALEXANDER SCHOLARSHIP was established under the will of Mr. and Mrs. G. H. Alexander of Norfolk, Virginia, in 1957.

THE LEWIS O. BROWN MEMORIAL SCHOLARSHIP was established in 1973 by Mr. Brown's widow, Mrs. Mary Patsel Brown of Roanoke, Virginia. Roanoke students are given preference.

THE BURROUGHS MEMORIAL SCHOLARSHIPS were established through the will of Mabel C. and Charles F. Burroughs of Norfolk, Virginia. A number of annual scholarships are available to students from the Tidewater area who are selected by the Norfolk Foundation upon the recommendation of the College. Students should apply directly to The Norfolk Foundation, 406 Royster Building, Norfolk, Virginia 23510.

THE GEORGE EVANS CASKIE MEMORIAL SCHOLARSHIP was established in 1970 by a bequest from Mr. James R. Caskie, in memory of his father.

THE WILLIAM CARROLL CHEWNING, JR. MEMORIAL SCHOLARSHIP was established in 1975 by Mr. William Carroll Chewning, Class of 1941, his family, and friends in memory of his son, a member of the Class of 1967.

THE DONALD L. CORK SCHOLARSHIP was established by gifts to the College from Mr. Donald L. Cork of Charleston, West Virginia, a member of the Class of 1913.

THE EDMUND BAKER DAVENPORT SCHOLARSHIP FUND was established in 1972 by Mrs. Claude R. Davenport, Mr. and Mrs. Claude R. Davenport, Jr., Mr. and Mrs. George L. Fosque, and Mr. and Mrs. Charles C. Chewning. The awards are made in the form of loans which need not be repaid if the student maintains an average of 2.0 or better.

THE DRYDEN-MOREHEAD SCHOLARSHIP was established in 1905 through a bequest under the will of Mrs. Sarah A. Dryden of Putnam County, West Virginia.

THE JESSE BALL duPONT MEMORIAL SCHOLARSHIP FUND was established in 1978 by a gift from the Jesse Ball duPont Religious, Charitable, and Educational Fund of Jacksonville.

THE MISS MARY MARGARET EAST SCHOLARSHIP was established by Mr. David E. East of Raphine, Virginia.

THE FARMVILLE MANUFACTURING COMPANY SCHOLARSHIP was established by the Farmville Manufacturing Company, Farmville, Virginia.

THE FIRST NATIONAL BANK SCHOLARSHIP was established in 1972 by the First National Bank of Farmville, Virginia, to benefit an economics major.

THE THOMAS FLOURNOY SCHOLARSHIP was established in 1961 by Mrs. Sallie T. Flournoy in memory of her husband. The scholarship assists needy students studying for the ministry.

THE FRAYSER SCHOLARSHIP was established in 1954 by a bequest from the estate of Mrs. Anne R. Finch Frayser.

THE DR. BENJAMIN HOBSON FRAYSER SCHOLARSHIP was established in 1945 by Mrs. Anne R. F. Frayser in memory of her son, Dr. Benjamin Hobson Frayser.

THE WILLIAM LUCKE GARLICK MEMORIAL SCHOLARSHIP FUND was established in 1975 by Dr. R. Cecil Garlick, Jr. of Charlottesville, Virginia, in honor of his late brother, who attended Hampden-Sydney in 1920-21. The fund is used to aid students to study in foreign countries.

THE HORACE A. GRAY FAMILY SCHOLARSHIP was established in 1978 by a bequest of Mrs. Pearl F. Gray of Richmond, Virginia.

THE CHARLES CALLAWAY GUTHRIE SCHOLARSHIP was established in 1968 by Mr. and Mrs. J. Dennett Guthrie in honor of Mr. Guthrie's father. The Scholarship has been supplemented by gifts from Mr. Charles R. Guthrie, also a son of Charles Callaway Guthrie.

THE ANNA CARRINGTON HARRISON LEADERSHIP SCHOLARSHIP was established as a memorial to his mother by Mr. Fred N. Harrison of Richmond, Virginia, long time member of the College Board of Trustees. The annual scholarship is designated for a student showing outstanding leadership ability on campus.

THE WARREN W. HOBBIE SCHOLARSHIPS were established in 1959 and later supplemented by gifts from the late Mr. Warren W. Hobbie of Roanoke, Virginia, a former member of the Board of Trustees.

THE RANDALL HOLDEN MEMORIAL SCHOLARSHIP was established through gifts and a bequest of Mr. W. R. Holden of South Hill, Virginia, and later supplemented by a bequest from the estate of Mrs. Eva Holden Johnston.

THE EUGENE C. HURT, JR. AND ANNIE R. HURT SCHOLARSHIP was established in 1966 through a bequest from the will of Mr. E. C. Hurt of Chatham, Virginia. Preference is given to students from Halifax and Pittsylvania Counties.

THE WILLIAM ALLEN JOHNS, JR. MEMORIAL SCHOLARSHIP was established in 1979 by Dr. William A. and Logan P. Johns in memory of their son, Allen. Preference is given to premedical students.

THE ALBERT SIDNEY AND VIRGINIA PARLETT JOHNSON MEMORIAL LOAN FUND was established in 1966 by a gift of Mr. Robert D. Johnson, Class of 1936. The award, which must be repaid, is given to a deserving upperclassman.

THE EVA Y. JONES SCHOLARSHIP was established in 1958 by the Second Presbyterian Church of Roanoke, Virginia, to be awarded to a Presbyterian student studying for the ministry who is in need of financial assistance.

THE JOHN FRANKLIN KINCAID, JR. MEMORIAL SCHOLARSHIP was established in 1945 by gifts from Mrs. John F. Kincaid, Jr., Mrs. Nan Lin Kincaid, and Mrs. Allie Anderson in memory of Lieutenant Kincaid, USN Medical Corps, who was killed in action of Okinawa in April, 1945. This scholarship is designated for a premedical student of character and ability.

THE LEWIS G. LARUS SCHOLARSHIP was established in 1966 through a gift from the estate of Mr. Lewis G. Larus '38 of Richmond, Virginia, a former member of the Board of Trustees.

THE ALFRED L. LORRAINE, JR. MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. A. L. Lorraine of Richmond, Virginia, as a memorial to their son who gave his life for his country in World War II.

THE PHILIP LEE LOTZ SCHOLARSHIP was established by the Iota Chapter of Pi Kappa Alpha. The award is made to a deserving member of Pi Kappa Alpha at the choice of the Chapter.

THE MADISON SCHOLARSHIP FUND was established in 1961 through a bequest under the will of Mrs. Janet B. M. Nichols of Petersburg, Virginia, in memory of her first husband, Wilkes Madison.

THE JAMES J. MARSHALL, JR. SCHOLARSHIP FUND was established by gifts from Mr. J. J. Marshall, Jr. of New York City. Mr. Marshall is a member of the Class of 1934.

THE PHILIP W. McKINNEY SCHOLARSHIP FUND was established in 1964 by a bequest from the estate of Mrs. Frankie McKinney Van Winkle, in honor of her father, Governor Philip W. McKinney, a member of the Class of 1851.

THE BEN AND MAYO MOOMAW SCHOLARSHIP FUND was established by the gifts of Mr. and Mrs. Benjamin Franklin Moomaw of Lynchburg, Virginia.

THE FRED MAY MORTON AND MARY MORTON PLATT SCHOLARSHIP FUND was established in 1963 by a gift from Mrs. Mary Morton Platt of Baltimore, Maryland, in memory of her brother. The fund has been supplemented by gifts from The Theodore H. Barth Foundation.

THE LEE WATKINS MORTON MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. L. W. Morton, Sr., and their sons, Lee W. Morton, Jr., Judge R. Page Morton, and the Rev. Taylor Morton of Charlotte County, Virginia.

THE WALLACE C. NUNLEY SCHOLARSHIP was established by Dr. Wallace C. Nunley '44 of Clifton Forge, Virginia, and Dr. Wallace C. Nunley, Jr. '69.

THE JOSEPH LEE AND MARGARET EAST NELSON MEMORIAL SCHOLARSHIP FUND was established in 1976 by Mrs. Nelson to provide scholarships for students of known superior academic ability who are in need of financial assistance. Preference in selecting recipients for scholarships will be afforded Virginia students of the Christian faith who have formed a present intention to seek full-time Christian service as ordained ministers or missionaries, or, in the alternative, preference will be afforded students who have formed a desire to enter the teaching profession.

THE ODK LEADERSHIP SCHOLARSHIP was established in 1971 by the Lambda Circle of Omicron Delta Kappa at Hampden-Sydney. The award is made for the freshman year only to an entering student selected by the Circle. Need is not a criterion.

THE TRUMAN ALFRED PARKER SCHOLARSHIPS were established by a bequest from Judith H. M. Parker of LaJolla, California. Students in the premedical program are given preference.

THE WILLIAM T. PUGH MEMORIAL SCHOLARSHIP FUND was established by the Fidelity National Bank of Lynchburg, Virginia, in memory of Dr. Pugh, a member of the Class of 1923 and a former member of the Board of Trustees.

THE READ-LANCASTER MEMORIAL SCHOLARSHIP was established through gifts from Mrs. Edmonia C. L. Metcalf of Charlottesville, Virginia, in memory of her mother Mrs. Agnes Elizabeth Read Lancaster and her uncles, Mr. Abram Carrington Read and Mr. Isaac Mayo Read. In addition to her immediate family, Mrs. Metcalf specified the scholarship as a memorial in remembrance of the Reads of "Greenfield," Charlotte County, Virginia.

THE TINA RICHARDSON SCHOLARSHIP was established in 1975 by Mrs. A. B. Richardson of Roanoke, Virginia.

THE H. MELVIN ROBERTS MEMORIAL SCHOLARSHIP was established in 1958 by Mrs. H. M. Roberts of Shaker Heights, Ohio, in memory of her husband.

THE CLARENCE B. ROBERTSON MEMORIAL SCHOLARSHIP was established in 1969 by a bequest from Mr. Robertson, a former member of the Board of Trustees.

THE CHARLES FRANCIS ROBINSON EDUCATIONAL FUND was established in 1969 by a bequest from Mr. Robinson's mother, Mrs. Evelyn D. Robinson.

THE PHILIP H. ROPP MEMORIAL SCHOLARSHIP was established by a bequest from Dr. Ropp '30, alumnus and Hurt Professor of English at Hampden-Sydney.

THE MR. AND MRS. HUGH B. SPROUL SCHOLARSHIP was established by a gift of Mr. Hugh B. Sproul of Staunton, Virginia.

THE STAMPS SCHOLARSHIP was established in 1936 by a gift from Mrs. F. S. Royster of Norfolk, Virginia, in memory of her father, Dr. William L. Stamps, and her brothers, Mr. Edward R. Stamps and Dr. Thomas Stamps.

THE GEORGE MAYO TABB MEMORIAL SCHOLARSHIP was established in 1960 through a bequest from the will of Miss Annie Glass Tabb of Staunton, Virginia, in memory of her nephew, Mr. George M. Tabb, a member of the Class of 1926.

THE DR. J. ERNEST THACKER MEMORIAL SCHOLARSHIP FUND was established through gifts from the Second Presbyterian Church of Norfolk, Virginia, in memory of its former pastor. The fund was supplemented in 1955 by a bequest of Ellen C. Hooff.

THE MR. AND MRS. GEORGE C. THOMAS, JR. SCHOLARSHIP FUND was established in 1953 and supplemented in 1973 through gifts from Mr. and Mrs. George C. Thomas, Jr. of New Jersey and Florida.

THE JOSEPH I. TRIPLETT MEMORIAL SCHOLARSHIP was established in 1963 through the will of Mr. Joseph I. Triplett, Jr. of Shepherdstown, West Virginia.

THE ALBERT JAMES TRUITT AND JULIA HARRISON TRUITT MEMORIAL SCHOLARSHIPS were established in 1949 through a bequest from the will of Mrs. Julia E. Truitt of Norfolk, Virginia, and designated for the assistance of students studying for the ministry.

THE ACHILLES L. TYNES SCHOLARSHIPS were established in 1958 by Misses Eliza I. and Frances M. Tynes of Tazewell, Virginia, in memory of their brother, a member of the Class of 1894.

THE RICHARD MORTON VENABLE SCHOLARSHIP FUND was established in 1964 by a gift of Mr. and Mrs. Richard Morton Venable of Charleston, West Virginia. Mr. Venable was a member of the Class of 1920 and a direct descendant of Nathaniel Venable of "Slate Hill", one of Hampden-Sydney's founders and charter trustees.

THE WADDELL-GORDON SCHOLARSHIP FUND was established in 1952 by Mr. James W. Gordon, Jr. of Richmond, Virginia, Class of 1932, as a memorial to Dr. James Waddell (1739-1805), "the blind preacher," and Colonel James Gordon of Lancaster County (1714-1768), leaders in the establishment of the Presbyterian Church in the Colony of Virginia. James Gordon's granddaughter and James Waddell's daughter, Janetta Waddell, was the wife of Archibald Alexander, third president of Hampden-Sydney College.

THE WALLACE-BARNER SCHOLARSHIP was established in 1953 and later supplemented by gifts from Dr. K. K. Wallace of Norfolk, Virginia, and gifts given in memory of Mr. George Barner.

THE WALLACE-BLANTON SCHOLARSHIP was established in 1973 by Miss Ellen Barbour Wallace of Nashville, Tennessee, in memory of her father, Clarence Blair Wallace of the Class of 1880, and John Dielle Blanton of the Class of 1879.

THE J. MEBANE WARD MEMORIAL SCHOLARSHIP was established in 1972 by a bequest from Mr. Ward, Class of 1927.

THE JOSEPH MOSS WHITE AND JOSEPHINE VIRGINIA BROWN WHITE SCHOLARSHIP was

established in 1975 by Mr. Joseph W. White, Jr., Mr. James S. White, and Dr. Paul F. White in honor of their parents and supplemented by memorial gifts in honor of Mr. J. M. White.

THE A. D. WITTEN SCHOLARSHIP was established by gifts from Mr. A. D. Witten and Mrs. Cecil Witten Ford of Martinsville, Virginia.

THE JESSIE REAMES YOUNG AND CHARLES REAMES YOUNG SCHOLARSHIP was established by Mr. Fred W. Young, Sr. to benefit Dinwiddie County residents attending Hampden-Sydney.

ANNUAL SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and generosity of the contributions of alumni, parents, and friends to the annual scholarship fund. Annual scholarships are not individually designated unless the donor has agreed to a significant annual contribution to be awarded each year over a number of years. For those individually designated annual scholarships established after 1979, the minimum contribution must be \$1000.

THE PRESBYTERIAN CHURCH. In recognition of the historic and continuing ties between Hampden-Sydney and the Presbyterian Church, THE SYNOD OF THE VIRGINIAS provides \$25,000 each year to be used for financial assistance to Presbyterians. The Church thereby supports the College in her commitment to blending sound scholarship with the principles and practices of the Christian faith.

THE NELSON W. COE III MEMORIAL SCHOLARSHIP was established in 1969 by Mr. and Mrs. Charles E. Coe in memory of Mr. Coe's brother. Preference is given to students from Westminster Presbyterian Church in Alexandria, Virginia.

THE H. SPENCER EDMUNDS MEMORIAL SCHOLARSHIP was established in 1950 by the Second Presbyterian Church, Roanoke, Virginia, as a ministerial scholarship in memory of its former pastor, The Reverend Mr. H. Spencer Edmunds.

THE FIRST CONGRESSIONAL DISTRICT (VIRGINIA) SCHOLARSHIP. Through the gifts of U.S. Representative Paul S. Tribble, Jr., Class of 1968, a four-year merit scholarship has been established for a student from the First Congressional District attending Hampden-Sydney College. The scholarship recipient is selected by the College on the basis of superior academic achievement, demonstrated qualities of leadership, and service to school and community. Need is not a criterion for the award. The scholarship carries an annual stipend of \$1,000.

THE WILLIAM FITZGERALD MEMORIAL SCHOLARSHIPS were established in 1968 by St. Giles Presbyterian Church, Richmond, Virginia. Scholarships are awarded to needy and worthy upperclassmen who plan to enter church-related vocations.

THE GEORGE C. "CHIP" FREEMAN III MEMORIAL SCHOLARSHIPS. The scholarships were established in 1974 in memory of George C. "Chip" Freeman III, Hampden-Sydney College Class of 1976, by his parents, Mr. and Mrs. G. C. Freeman, Jr. and his brother, Douglas M. Freeman, and are funded by the George C. Freeman III Memorial Trust. These four-year scholarships are to be awarded to incoming freshmen interested in pursuing a career in teaching and/or coaching, other youth-oriented work, or full-time Christian service.

THE JAMES BUCKNER MASSEY SCHOLARSHIP. Each year since 1957 a scholarship has been made possible through gifts of Dr. F. M. Ryburn of Lubbock, Texas, in memory of Dr. James B. Massey, long-time professor of Bible at Hampden-Sydney. Preference is to be given to sons of ministers.

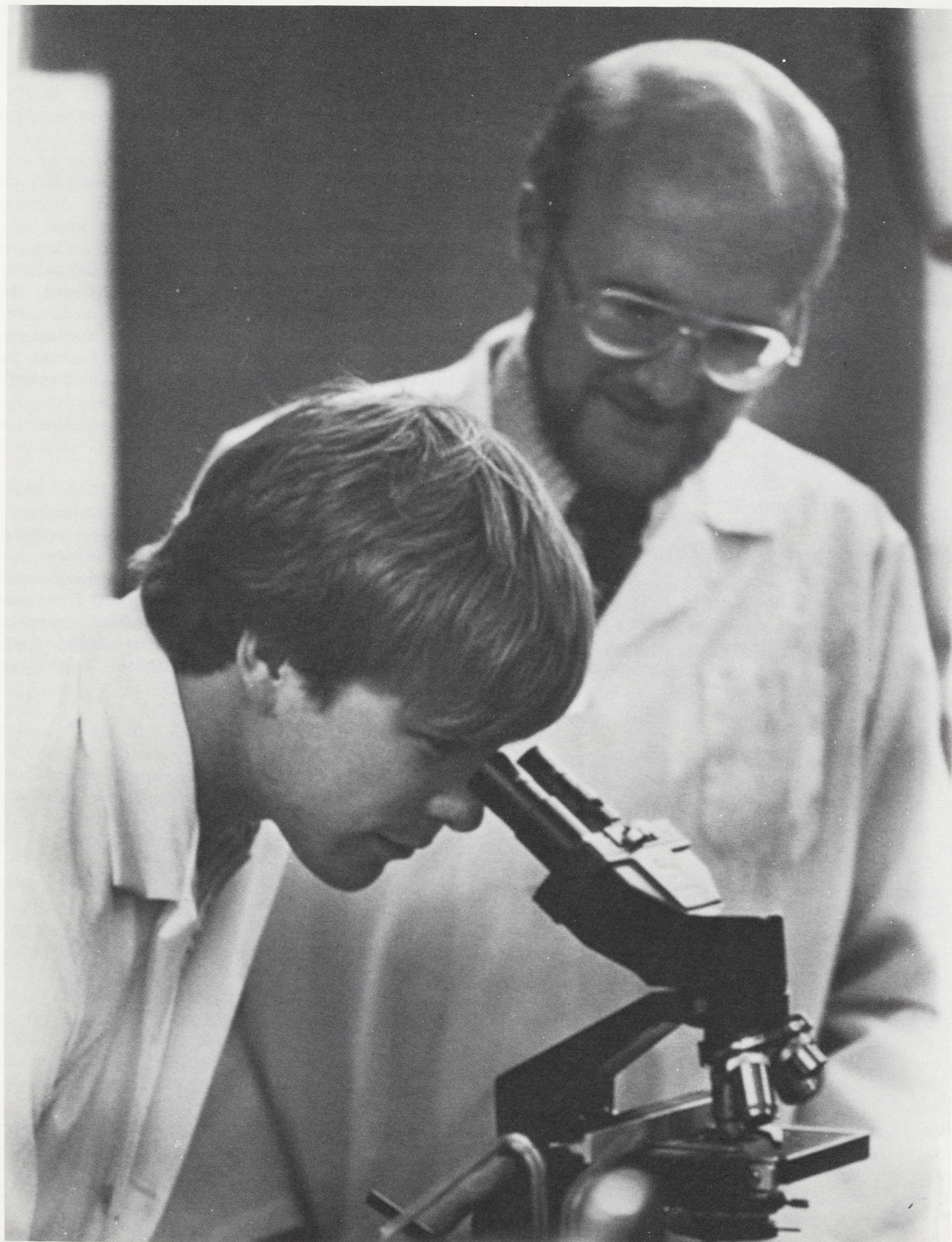
THE MCGUIRE-BOYD SCHOLARSHIP was established through annual gifts since 1965 by Mr. James Nalle Boyd, a member of the Class of 1958, and Mr. John Peyton McGuire Boyd, a member of the Class of 1964, of Richmond, Virginia, in memory of their parents, Mr. and Mrs. John W. Boyd. The scholarship is to be awarded to a deserving sophomore or upperclassman

displaying outstanding qualities of character and leadership.

THE MUÑOZ PREMEDICAL STUDENT SCHOLARSHIP was established in 1972 by Dr. Anthony J. Muñoz of Farmville, Virginia, to benefit a deserving premedical student.

THE ALGERNON SYDNEY SULLIVAN SCHOLARSHIPS. Annual grants from the Algernon Sydney Sullivan Foundation of New York since 1936 have provided scholarships at Hampden-Sydney in memory of Algernon Sydney Sullivan, founder and first president of the New York Southern Society. The scholarships are awarded to deserving students to stimulate their spiritual development by encouraging their study of the life of Algernon Sydney Sullivan. To that end, each recipient is required to read the biography of Mr. Sullivan and to submit an essay expressing the student's appreciation of life's finer qualities as exemplified by Algernon Sydney Sullivan.

THE THIRD CENTURY SCHOLARSHIPS. Third Century Scholarships are available to residents of Alexandria, Virginia. The scholarships carry four-year stipends of \$1,000. Half is provided by the Alexandria Bicentennial Corporation and half by Hampden-Sydney. Need is not a selection criterion. Recipients are chosen by the Board of Directors of the Alexandria Bicentennial Corporation, and interested students should apply directly to the Corporation at 201 South Washington Street, Alexandria, Virginia 22314.



COURSE OFFERINGS

DIVISIONS OF STUDY

The academic departments and courses of instruction are grouped according to the following three divisions:

HUMANITIES, including the Departments of Classics, English, Fine Arts, Modern Languages, Philosophy, Religion, and Western Man.

NATURAL SCIENCES, including the Departments of Biology, Chemistry, Physics, and Mathematics.

SOCIAL SCIENCES, including the Departments of Economics, History, Political Science, and Psychology.

COURSE CLASSIFICATION

Each course listed in this catalogue has a course number. At the right of this number will be found numerical designations in parentheses which indicate the course length and credits carried by the course. There are three variations. For example: Biology 103 (3) meets for one semester only and carries three semester hours of credit. French 201-202 (3-3) comprises two semesters of work, and the student may take one or both semesters. Greek 101-102 (0-6) comprises two semesters of work. A student must complete both semesters in order to receive credit for the first semester. He must take the first semester course in order to take the second semester. Normally the courses with odd course numbers meet in the fall semester and those with even course numbers meet in the spring semester.

SPECIAL TOPICS AND INDEPENDENT STUDY

The following courses are offered in every department:

485. Special Topics (1, 2, 3 hours).

An organized course providing for study in an area other than one described in the course listings. If the course/topic is offered more than once, it must be approved by the faculty.

490. Directed Reading (1, 2, 3 hours).

Reading related to a particular course or topic in which the student is interested, the reading to be done under the supervision of a faculty member who will assist the student in designing his program.

495. Independent Study (1, 2, 3 hours).

Research project in which the student works independently under the supervision of a faculty member; the project will ordinarily lead to a paper in which the student describes his work and summarizes his findings. For juniors and seniors only.

For reading courses (490) and independent study (495), a written proposal, designating hours credit and describing the subject under investigation and the methods to be utilized, must be approved by the professor supervising the study, the chairman of the department, and the student's faculty advisor. A copy of the approved proposal must be given to the registrar prior to the last day of the add period.

A student may take no more than one 490/495 course per semester.

Ordinarily, a student may take no more than two 490 and two 495 courses during his tenure at Hampden-Sydney. If additional independent work is desired, the written proposal must be submitted to the Honors Council for approval. Students who wish to do extensive independent work are encouraged to apply for Senior Fellowships and Honors Major Fellowships.

Departments may specify prerequisites and minimal grade points for taking 490 and 495 courses.

BIOLOGY

PROFESSORS CRAWFORD, TURNEY; ASSOCIATE PROFESSORS GEMBORYS, SHEAR*; **VISITING ASSISTANT PROFESSOR DUFTY; ADJUNCT ASSISTANT PROFESSOR LUND**

The diverse preparation necessary for different graduate biology programs in different institutions often necessitates tailoring the undergraduate major to suit the particular needs of the student. All students interested in becoming biology majors are requested to see a representative of the biology department during their freshman year to discuss their future programs of study. The biology major requires a minimum of 33 academic hours in the department and includes Biology 103, Biology 400, at least one zoology course and at least one botany course. A year of chemistry is also required.

Note: Many graduate schools require courses in physics, mathematics through calculus, organic chemistry, statistics, computer science, physical chemistry, and electronics by way of preparation for certain biology majors. The Department of Biology recommends that all students planning to pursue graduate or professional studies in the biological sciences investigate the undergraduate prerequisites for their particular major by the fall semester of their junior year so that these may be incorporated into their undergraduate program.

BIOLOGY 103. (3) *Crawford, Lund, Shear*
GENERAL BIOLOGY. An introduction to biological phenomena that contribute to man's appreciation of himself and his environment. Topics include a study of molecular and Mendelian genetics, evolution, biotic interrelationships, homeostatic phenomena and related physiological mechanisms. This course fills the biology portion of the science requirement for graduation and, unless otherwise specified by the staff, serves as a prerequisite for all other courses in the department. Prerequisite: None. Corequisite: Biology 153. Offered: Fall semester.

BIOLOGY 108. (3) *Gemborys*
ENVIRONMENTAL BIOLOGY. A consideration, based on basic biological concepts, of the processes leading to the degradation of our environment. The course will include discussions of such topics as environmental pollution by pesticides, industrial by-products, radioactive materials, etc., the historical background and future prospects of the population explosion, and the need for preservation of our natural resources. Not open to students who have taken Chemistry 111 or Physics 105. Prerequisite: None. Offered: Each semester.

BIOLOGY 111. (1) *Gemborys*
NATURAL MAN. Readings, discussions and films designed to illustrate the capacity of man to survive in hostile environments and to demonstrate the close ecological balance maintained between primitive man

*On leave 1980-81 (fall semester)

and his environment. Emphasis will be given to early Arctic and Antarctic exploration and to the study of Esquimaux culture. Readings will include works by Stefansson, Nansen, Amundsen, Scott, Cherry-Garrard, Shackleton and Byrd. Admission by consent of instructor. Prerequisite: None. Offered: Spring semester of odd years.

BIOLOGY 142. (4) *Gemborys*
BOTANY. An introductory study of the anatomy, morphology, taxonomy, physiology, and ecology of plants. In addition, the commercial and medicinal uses of plants will be considered. Two 2½ hour meetings per week, with the laboratory experience integrated within the lecture portion of the course. Prerequisite: None. Offered: Spring semester.

BIOLOGY 153. (1) *Crawford, Lund, Shear*
LABORATORY IN GENERAL BIOLOGY. A laboratory course meeting once a week for three hours. The purpose of this course is to acquaint students with some living organisms and to introduce them to the values and limitations of scientific inquiry. This course is to be taken by all students enrolled in Biology 103. Only students enrolled in or who have successfully completed Biology 103 are eligible for enrollment in this course. Prerequisite or Corequisite: Biology 103. Offered: Fall semester.

BIOLOGY 158. (1) *Gemborys*
LABORATORY IN ENVIRONMENTAL BIOLOGY. A laboratory experience designed to demonstrate the interactions between plants and animals and their environment and to acquaint the non-science-oriented student with techniques and methods used in the measurement of environmental parameters. Consideration will be given to such topics as the thermal and chemical stratification of lakes and ponds and how this phenomenon affects aquatic organisms; a comparison of the chemical and physical characteristics of natural and polluted streams; the effects of logging and fire in local forest ecosystems; and the study of the population dynamics and behavior of confined populations of small mammals. Prerequisite or Corequisite: Biology 108. Offered: Fall semester.

BIOLOGY 207. (2) *Crawford*
SEMINAR ON THE GREAT BIOLOGISTS. A study of the lives and classical contributions of the most significant figures in the history of biology. The chief criterion used in selecting the subjects is their effect upon subsequent thought and development in the life sciences. This seminar requires extensive biographical reading. Admission by consent of instructor. Two three-hour meetings per month. Prerequisites: Biology 103 and 153. Offered: On sufficient demand.

BIOLOGY 210. (3)*Shear*

EVOLUTION OF MAN. The course will begin with a brief introduction to the theory of natural selection, including its historical development. The biology of the primates, human adaptations, and the interpretation of current results in human paleoanthropology will be surveyed. Hypotheses concerning the early development of major social institutions such as hunting-gathering, tool-making, language and agriculture will be examined. The last third of the course will be devoted to a study of the origins of the five major pristine civilizations in an effort to understand the origin of civilization and the state. No prerequisites; does not provide credit towards a Biology major.

BIOLOGY 215. (4)*Lund*

CYTOLOGY. Cytology is an introduction to cells in terms of structure and function. Major emphasis in lecture sessions includes descriptions of cell organelles and their functions, the mechanics of cell division including somatic, meiotic and endomitotic divisions, and basic cytogenetics. Structure of differentiated cells is considered in relation to the function of various animal and plant tissues. Students will examine professionally prepared material as well as slides of their own making in the laboratory. Students are involved in techniques in cytogenetics and histochemistry utilizing animal and plant material. Three lecture sessions, one laboratory period per week. Enrollment limited to 20. Prerequisite: Biology 103. Corequisite: None. Offered: Spring semester.

BIOLOGY 220. (4)*Shear*

MICROBIOLOGY. Morphology, physiology, systematics and ecology of micro-organisms, with major emphasis on the bacteria. Two lectures and two labs per week. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 232. (4)*Crawford*

PARASITOLOGY. The biology of animal parasites—their history, life cycles, host relationships, modes of infection, transmission, and pathogenicity. Laboratory exercises will include work on prepared slides and the examination of living parasitic forms when possible. Students will be required to prepare some permanent slide mounts from living parasites. Three lectures and one laboratory period per week. Prerequisite: Biology 103. Offered: Spring semester of even years.

BIOLOGY 241. (4)*Shear*

INVERTEBRATE ZOOLOGY. An intensive study of the taxonomy, morphology, physiology and ecology of the invertebrates. The phylogenetic origin of the organ-system is studied in relation to basic adaptive patterns. Biochemical, embryological, morphological and physiological similarities and dissimilarities are observed.

Representative species from the major phyla are studied in the laboratory. Three lectures and one lab per week. Prerequisites: Biology 103 and 153. Offered: Fall semester of even years.

BIOLOGY 243. (4)*Shear*

ENTOMOLOGY. An intensive study of the insects as representatives of the Phylum Arthropoda. Lecture topics will include insect physiology and behavior, insect morphology and classification, social insects, methods of insect control, and insect ecology. Laboratories will consist primarily of work on the local insect fauna. A collection will be required and will form a major part of the student's grade. Prerequisites: Biology 103 and 153. Offered: Fall semester of odd years.

BIOLOGY 250. (3)*Turney*

BIOETHICS. Examines the growing field of problems lying at the interface between advancing technological expertise in the health fields and the related moral and ethical problems which are being raised by such advances. An attempt will be made to place man in his proper biological perspective and to provide students with the mental tools and outlooks with which they can make intelligent judgments in bioethical matters and then live with their decisions. No lab. Prerequisite: None. Offered: Spring short term.

BIOLOGY 253 - 254. (4-1)*Gemborys*

PLANT COMMUNITIES. A consideration of the interrelationships between plants and their environment with the main emphasis being on the synecological rather than the autecological relationships. These relationships will be observed through study of the major plant communities of Virginia. Emphasis will be placed on the role of succession and environment in the development of plant associations. Three lectures and one laboratory per week, first semester; one laboratory per week, second semester. The work in the second semester will consist of directed study of a problem of interest to the student and will be based on the principles and methods studied in the first semester. Prerequisites: Biology 103 and 153. Offered: 253 in the Fall semester; 254 in the Spring semester.

BIOLOGY 260. (4)*Gemborys*

TROPICAL BIOLOGY. A consideration of the biology of plants and animals, including man, living in a tropical environment. Special emphasis will be given to the study of the structure and function of a typical coral reef and to the study of the ecology, physiology, and taxonomy of other locally important marine forms. Laboratory included. Course presented on the Hampden-Sydney campus and at a tropical marine biology laboratory. Prerequisite: Permission of the instructor. Offered: Spring short term on sufficient demand.

BIOLOGY 270. (4) *Gemborys*
ECOSYSTEMS OF THE MIDATLANTIC AND NORTHEASTERN UNITED STATES. A survey of the significant vegetation types of the Eastern United States, ranging from the Longleaf Pine Forests of Virginia to the Alpine Tundra Formations of New Hampshire. Consideration will also be given to the effects of climatic, geologic and edaphic influences on the development of these ecosystems. Quantitative methods of vegetation sampling and statistical techniques will be employed. Laboratory included. Duration: 3 weeks. Prerequisite: None. Offered: Spring short term on sufficient demand.

BIOLOGY 311. (4) *Turney*
GENETICS. Principles of heredity and variation as developed from the morphological, physiological, and biochemical levels of gene action. Three lectures and one laboratory per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 314. (3) *Shear*
EVOLUTIONARY THEORY. An introduction to evolutionary thinking and the modern synthetic theory. Mathematical models of population phenomena will be derived and tested through problem-solving. The process of speciation will be examined, and basic biogeographical principles will be studied. Some discussion of the history of evolutionary biology and the lives of its major contributors will also take place. Prerequisite: Biology 311; Mathematics 101 recommended. Offered: Spring semester of odd-numbered years.

BIOLOGY 320. (3) *Crawford*
HISTOLOGY. A study of normal tissues of the vertebrate organism with emphasis on mammalian histology. Routine preparations of the four basic tissue types will be studied in detail. The primary concern is the description of microscopic structure and organization of tissues and organs. Another concern is the functions of tissues as integral components of organs, for it is mainly from function that structure derives meaning. Emphasis will be placed on the fact that understanding of tissue structures depends on a knowledge of the manner in which they differentiate ontogenetically as well as phylogenetically. This course does not include the preparation of slides. Prerequisite: Biology 103. Offered: Spring short term.

BIOLOGY 321. (5) *Crawford*
DEVELOPMENTAL BIOLOGY. Principles of embryology involving physiological, biochemical, and genetic influences on differentiation of cells and tissues with emphasis on the origin of vertebrate organ systems. Three lectures and two laboratories per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 322. (5) *Crawford*
COMPARATIVE VERTEBRATE ANATOMY. Comparative functional morphology and evolution of organs and organ systems in chordate animals. Major emphasis is placed on gross anatomy of the mammal. Studies of vertebrate tissues are included. Three lectures and two laboratories per week. Prerequisite: Biology 321 or consent of instructor. Offered: Spring semester.

BIOLOGY 331. (4) *Turney*
BIOCHEMISTRY-MOLECULAR BIOLOGY. A structural and functional study of the cell with emphasis on the biochemical and ultrastructural aspects of cell metabolism. Laboratory exercises include problems in protein fingerprinting, enzyme kinetics, enzyme isolation, measurement, electrophoresis, ion-exchange chromatography, and spectrophotometry. Three lectures and one laboratory per week. Prerequisite: Biology 103 and 153; Prerequisite or Corequisite: Chemistry 201-202. Offered: Fall semester.

BIOLOGY 332. (3) *Turney*
CELL PHYSIOLOGY. A treatment of the major elements of cell physiology including cell growth and division, differentiation, irritability, contractility, active transport and cellular respiration. This course is usually taken in conjunction with Biology 334. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 334. (1) *Turney*
ADVANCED BIOCHEMISTRY. A laboratory course investigating the problems of enzyme purification, intermediary metabolism and protein synthesis. The exercises involve refinements of the techniques learned in Biology 331 with some additional work utilizing manometric techniques, differential centrifugation, and radioactive tracers. Prerequisite: Biology 331. Offered: Spring semester.

BIOLOGY 342. (4) *Gemborys*
PLANT PHYSIOLOGY. A consideration of the fundamental life processes of plants including photosynthesis, water relations, growth regulators, photoperiodic responses, and mineral nutrition. Primary emphasis placed on laboratory work. Two lectures, two laboratories per week. Prerequisites: Biology 103 and 153; Chemistry 101-102, 151-152. Offered: On demand.

BIOLOGY 376. (4) *Gemborys*
MARINE BIOLOGY AND OCEANOGRAPHY. A study of the physical, chemical and biological characteristics of the world's oceans, shorelines, and estuaries. The laboratory experience is designed to give the student firsthand knowledge of the methods used in studying marine organisms and environments. It will include regular assigned exercises as well as an independent

study project. Field trips will be made. Admission by consent of instructor. Prerequisite: Biology 241 or 253. Offered: Spring semester of even years.

BIOLOGY 382. (4) *Shear*
ANIMAL BEHAVIOR. A survey of the major approaches to the study of animal behavior, especially those which emphasize the adaptiveness of behavior and its evolution. Lecture topics will include structure and physiology of nervous systems, orientation and navigation, relations among and between species, reproductive behavior, conflict resolution, and social behavior. Laboratories will consist of self-paced projects involving a wide variety of animal forms. Prerequisite: Biology 103 and 153. Offered: Spring semester of even years.

BIOLOGY 400. (4) *Turney*
GENERAL BIOLOGICAL SCIENCE. An integrated approach to molecular, evolutionary, physiological, anatomical, ecological and homeostatic phenomena of living systems, with some attention to contemporary problems. This course is designed to complete the 8 hour requirement in general biology for all biology majors and, where applicable, for majors in related fields. Open only to seniors; however, juniors may take the course with the chairman's permission. Prerequisites: Biology 103 and 153. Offered: Spring semester.

CHEMISTRY

PROFESSORS PORTERFIELD, SMITH, ASSOCIATE PROFESSORS SIPE*, THOMPSON, VISITING ASSOCIATE PROFESSOR DAVIES

The requirements for a major in Chemistry are:

1. All courses from the techniques track and the following courses from the concepts track: 101-102, 201-202, 301-302, and 401-402, plus two chemistry electives, one to be chosen from Group A and one from Group B:
Group A: 311 (Biochemistry), 318 (Medicinal Chemistry), or 485 (Special Topics, 3 hours)
Group B: 322 (Descriptive and Industrial Chemistry), 411 (Advanced Physical Chemistry), or 412 (Advanced Inorganic Chemistry).
To receive the American Chemical Society's certified degree, one elective must be Chemistry 412, Advanced Inorganic Chemistry.
2. Satisfactory completion of Mathematics 101-102, Physics 111-112, and Physics 151-152.

*On leave 1980-81

CONCEPTS TRACK

CHEMISTRY 101-102. (3-3)

*Porterfield,
Davies, Thompson*

CHEMICAL CONCEPTS. A survey of the basic concepts of physical chemistry as a foundation for systematic study of descriptive chemistry. Some mathematical facility desirable. Prerequisites: None for 101; 101 prerequisite to 102. Corequisites: Chemistry 151 and 152 corequisite to 101 and 102, respectively. Offered: 101 in the fall semester; 102 in the spring semester.

CHEMISTRY 111. (3)

Sipe

CHEMICAL CONCEPTS IN A TECHNOLOGICAL SOCIETY. A topical study of the impact of the chemical practices of our technological culture on our environment, with a concurrent examination of the philosophical basis on which scientific judgments can be soundly formed in societal applications. This course is intended for students with primary interests outside the sciences, and will not satisfy prerequisite requirements for any other chemistry course. Prerequisite: None. Corequisite: None. Chemistry 151 laboratory may be taken concurrently or in a later semester if desired. Not offered 1980-81.

CHEMISTRY 201-202. (3-3)

Smith

ORGANIC CHEMISTRY. An integrated study of the aliphatic and aromatic compounds of carbon with emphasis on reaction mechanisms, stereochemistry, and conformational analysis. Prerequisites: Chemistry 101-102. Corequisites: Chemistry 251-252 or 251-262. Offered: 201 in the fall semester; 202 in the spring semester.

CHEMISTRY 301-302. (3-3)

Davies

PHYSICAL CHEMISTRY. The principles of chemical thermodynamics, electrochemistry, introductory quantum mechanics, statistical mechanics, and kinetics are developed and used to explain selected chemical phenomena. Prerequisites: for Chemistry 301, Chemistry 102, Mathematics 102. Corequisite: Physics 111. For Chemistry 302, Chemistry 301 is prerequisite. Offered: 301 in the fall semester, 302 in the spring semester.

CHEMISTRY 311. (3)

Smith

BIOCHEMISTRY. The following classes of compounds are studied with emphasis upon structure and conformation and with emphasis decreasing in the order given: proteins, nucleic acids, carbohydrates, and lipids. The most important metabolic pathways are studied with respect to reaction mechanisms, dynamics, and energetics. Prerequisites: Chemistry 201-202. Offered: Fall semester.

CHEMISTRY 318. (3)

Smith

MEDICINAL CHEMISTRY. Introduction to medicinal

chemistry with consideration of the design, synthesis, and mode of action of pharmacologically active compounds. Major areas of medicinal compounds discussed include central nervous system agents, anticancer agents, antibiotics, etc. Prerequisite: Chemistry 202 or consent of the instructor. Offered: Spring semester.

CHEMISTRY 322. (3) *Porterfield*
DESCRIPTIVE AND INDUSTRIAL INORGANIC CHEMISTRY. A survey of the chemistry of the elements: their natural occurrence, extractive methods, laboratory reactions and uses, and commercial and industrial uses with some economic interpretation of the latter. Some attention will be given to the abundance and exhaustion of resources, and to ways in which current and future chemical research can alleviate expected scarcities. Prerequisites: Chemistry 101-102. Offered: Fall semester.

CHEMISTRY 401-402. (3-3) *Thompson*
CHEMICAL INSTRUMENTATION AND ANALYSIS. Principles of instrumental chemical analysis. Topics include: basic concepts of electronics, spectroscopic, electrochemical, mass spectrometric, radiochemical, optical, chromatographic, x-ray, and hydrodynamic methods of analysis. Prerequisites: Chemistry 302 or consent of the instructor. Offered: 401 in the fall semester; 402 in the spring semester.

CHEMISTRY 411. (3) *Sipe*
PHYSICAL CHEMISTRY III. Theory of molecular structure determination by dispersive and absorptive applications of electromagnetic radiation. Application of advanced theoretical calculations of molecular electronic structure. Prerequisite: Chemistry 302 or consent of the instructor. Not offered 1980-81.

CHEMISTRY 412. (3) *Porterfield*
ADVANCED INORGANIC CHEMISTRY. Basic theoretical concepts of inorganic chemistry as applied to the principles of inorganic synthesis, and introductory organometallic and bioinorganic topics. Prerequisite: Chemistry 301 or consent of the instructor. Corequisite: Chemistry 302. Offered: Spring semester.

TECHNIQUES TRACK

CHEMISTRY 151-152. (1-1) *Staff*
TECHNIQUES OF CHEMISTRY. A series of four open-ended projects that require independent use of library and laboratory facilities, including quantitative analysis. Breakage deposit: \$12.00. Prerequisites: None for 151. 151 is prerequisite to 152. Corequisites: Chemistry 101 or 111 for 151, Chemistry 102 for 152. Offered: 151 in the fall semester; 152 in the spring semester.

CHEMISTRY 251-252. (1-1) *Staff*
ANALYTICAL-ORGANIC TECHNIQUES. A series of open-ended, individualized projects involving the synthesis of organic and organometallic compounds and analysis by such techniques as spectroscopy, chromatography, and conventional and potentiometric titration. Breakage deposit: \$15.00. Prerequisites: Chemistry 102, 152. Corequisites: Chemistry 201-202. Offered: 251 in the fall semester; 252 in the spring semester.

CHEMISTRY 351-352. (2-2) *Staff*
PHYSICAL MEASUREMENT TECHNIQUES. A series of open-ended projects involving the accurate determination and interpretation of selected physical and chemical properties. Breakage deposit: \$15.00. Prerequisites: Chemistry 252 or 262 for 351; Chemistry 351 for 352; or consent of the instructor. Offered: 351 in the fall semester; 352 in the spring semester.

CHEMISTRY 451-452. (2-2) *Staff*
MEASUREMENT TECHNIQUES. A series of open-ended projects involving chemical analysis and structure determination by instrumental methods. Breakage deposit: \$15.00. Prerequisite: Chemistry 352. Corequisite: Chemistry 401. Offered: 451 in the fall semester; 452 in the spring semester.

CLASSICS

PROFESSOR EMERITUS THOMPSON; ASSOCIATE PROFESSORS BRINKLEY, TUCKER*; ASSISTANT PROFESSOR ARIETI; VISITING ASSISTANT PROFESSOR SAGE

The requirements for a major in Greek are at least 18 hours in Greek above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201. The requirements for a major in Latin are at least 18 hours in Latin above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201.

A concentration in Greek and Latin will require at least 12 hours in each language, including six hours in one at the 300 level or above; Philosophy 301; Fine Arts 201; History 301, 302.

The requirements for a major in Classical Studies are at least 6 hours of Greek or Latin above the elementary level and 24 hours to be selected from the following: courses in the Greek and Latin languages and in Classical Studies; Philosophy 301; History 301, 302; Fine Arts 201. None of the thirty hours taken to satisfy the requirements for this major may be used in the Humanities portion of the distribution requirements.

*On leave 1980-81

GREEK

GREEK 101-102. (0-6)

Arieti

ELEMENTARY GREEK. This course advances the student rapidly into the reading of classical and New Testament Greek texts by combining a uniquely ordered study of forms, vocabulary, and syntax with carefully chosen illustrative reading material, which consists almost entirely of authentic passages from ancient texts. Considerable attention is given to developing sound appreciation of Greek cultural values by exhaustive study of significant vocabulary. Emphasis is given to the development of the student's command of English grammar, diction, and vocabulary by comparative and contrastive exercises. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

GREEK 201-202. (0-6)

Brinkley

INTERMEDIATE GREEK. Reading and analysis of selections from Greek prose and verse, and a continuing study of grammar and vocabulary. Prerequisite, Greek 101-102. Offered: 201 in the Fall semester; 202 in the Spring semester.

GREEK 301. (3)

Brinkley

THE GREEK NEW TESTAMENT. Passages from the Synoptic Gospels and *Acts* are read, and a survey of the peculiarities of *koine* Greek is made. Attention will be given to textual problems, especially those which have theological implications. Prerequisites: Greek 201-202. Offered: on sufficient demand.

GREEK 302. (3)

Brinkley

GREEK DRAMA. Representative plays of Aeschylus, Sophocles, Euripides, or Aristophanes will be read and discussed as dramatic pieces and in their relation to the origin of tragedy and comedy and the development of the theatre. Prerequisites: Greek 201-202. Offered: On sufficient demand.

GREEK 303-304. (3-3)

Brinkley

GREEK HISTORIANS. Selections from the major historians will be read, with emphasis on developing the student's capacity to read Greek prose and on his appreciation of the writers' contributions to Western historiography. Some parallel reading in English is required. Prerequisite: Greek 201-202. It is suggested that the student have had or be enrolled in History 301 before taking these courses. Offered: on sufficient demand.

GREEK 305-308. (3 each semester)

Staff

ADVANCED GREEK. The reading and discussion of selected works of Greek literature, chosen according to the needs of the class. Among authors that may be selected are Homer, Plato, Plutarch, Lucian, and the

Athenian orators. Prerequisites: Greek 201-202. Offered: On sufficient demand.

LATIN

LATIN 101-102. (0-6)

Sage

INTRODUCTION TO LATIN. This course is designed for students with no previous experience with Latin. The text is written for adults; the sentences and drill exercises in forms and syntax are based on classical authors. Considerable emphasis is placed on expanding the student's vocabulary and grasp of language structure. Prerequisite: None. Offered: 101 in the fall semester; 102 in the spring semester.

LATIN 201-202. (3-3)

Sage

First Semester: *Ovid*. Selections from *Ovid's Ars Amatoria* will be read, preceded by a review of Latin fundamentals. Prerequisite: Two entrance units of Latin, or Latin 101-102.

Second Semester: *Vergil*. Selections from the *Aeneid*. Prerequisite: Latin 201 or equivalent. Offered: 201 in the fall semester; 202 in the spring semester.

LATIN 203-204. (3-3)

Sage

LATIN PROSE. Selections from the works of Latin prose writers will be read, preceded by a review of Latin fundamentals. Among works which may be read are the speeches and letters of Cicero, the historical works of Caesar and Livy, and the letters of Pliny, as well as the writings of Medieval Latin authors. Prerequisites: Two entrance units of Latin, or Latin 101-102. Offered: 203 in the fall semester; 204 in the spring semester.

LATIN 301-302. (3-3)

Thompson

LATIN LITERATURE OF THE REPUBLIC. Reading matter will be chosen from the comedies of Plautus and Terence, the essays of Cicero, the *De Rerum Natura* of Lucretius, and the poems of Catullus. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 301 in the fall semester of odd years; 302 in the spring semester of even years.

LATIN 303-304. (3-3)

Sage

LATIN LITERATURE OF THE EMPIRE. Reading matter will be chosen from Livy, Horace, Seneca, Petronius, Martial, Tacitus, and Pliny. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 303 in the fall semester of even years; 304 in the spring semester of odd years.

LATIN 401-408. (3 each semester)

Staff

ADVANCED READINGS IN LATIN LITERATURE. The courses will be devoted to intensive study of individual authors such as Lucretius, Tacitus, Livy, Ovid, Horace, or to literary genres such as Roman satire,

elegiac poetry, epistolography, history. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

LATIN 411. (3) *Brinkley*
LATIN COMPOSITION AND GRAMMAR.
 Prerequisites: Latin 201-202, 203-204 or equivalent.
 Offered: On sufficient demand.

LATIN 412. (3) *Thompson*
LATIN PALAEOGRAPHY. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

CLASSICAL STUDIES

Courses offered under the rubric of Classical Studies require no knowledge of Latin or Greek.

CLASSICAL STUDIES 201. (3) *Thompson*
ENGLISH ETYMOLOGY. A study of English words as derived from the classical languages. The purpose of the course is to broaden the student's vocabulary through a study of the historical development of an important element of the English language. No prior knowledge of Greek or Latin is presumed. Prerequisite: None. Offered: Each semester.

CLASSICAL STUDIES 202. (3) *Brinkley*
CLASSICAL MYTHOLOGY. A comprehensive survey of Greco-Roman mythology, with the aim of providing the student with a working knowledge of a significant element in Western culture and its creative achievements. Readings and lectures cover both the content of the mythology and its linguistic, archaeological, and anthropological significance. Prerequisite: None. Offered: Spring semester.

CLASSICAL STUDIES 203. (3) *Tucker*
GREEK LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Greek literature. Literary themes and techniques will be considered, as well as the influence of Greek writings on later literature. No knowledge of Greek is required. Prerequisite: None. Offered: Fall semester. Not offered 1980.

CLASSICAL STUDIES 204. (3) *Tucker*
LATIN LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Latin literature. Literary themes and techniques will be considered as well as the influence of Latin writings on later literature. No knowledge of Latin is required. Prerequisite: None. Offered: Spring semester. Not offered 1981.

HISTORY 301. (3) *Arieti*
GREEK HISTORY. An historical survey of the cultural, political, economic, and social aspects of Greek civilization to the time of the late Roman Empire. This course does not assume a knowledge of Greek and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Fall semester.

HISTORY 302. (3) *Brinkley*
ROMAN HISTORY. A comprehensive survey of the rise and decline of Rome as a world-state and as the matrix of subsequent Western civilization. Primary emphasis is placed on the social, political, economic, and diplomatic forces in the evolution of Roman supremacy in the Mediterranean. Special attention is given to the development of the Roman Civil Law and the origin of basic Western legal concepts. This course does not assume a knowledge of Latin and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Spring semester.

LINGUISTICS 301. (3) *Brinkley*
DESCRIPTIVE LINGUISTICS. An introduction to the techniques, findings, and insights of modern linguistics, "the most scientific of the humanities and the most humane of the sciences." Special attention is given to developing analytical appreciation of contemporary American English, on which most of the class exercises are based. A general course for all those interested in the nature of language. Prerequisite: Sophomore or higher standing. Offered: On sufficient demand.

LINGUISTICS 302. (3) *Brinkley*
HISTORICAL LINGUISTICS. Thorough study of the comparative method of linguistic reconstruction, and of modern views of the nature of linguistic evolution. Each student is required to do practical, independent work in a language of his competence, which may be English. Prerequisite: Linguistics 301 or English 341. Offered: On sufficient demand.

ECONOMICS

ASSOCIATE PROFESSOR HENDLEY; ASSISTANT PROFESSORS ANGRESANO, GIBSON, TOWNSEND; LECTURER STERN

The requirements for all Economics majors are 27 hours in Economics, to include Economics 301 and 303 and Mathematics 103 and 104. Beyond these specific courses, the major has a choice between a concentration in General Economics, taking Economics 401 and 402 (or, in certain cases, 495), or a concentration in Management Economics, taking Economics 421 and 422. Interdisciplinary majors within the social sciences may be

developed and pursued with the approval of the departments concerned.

ECONOMICS 101. (3) *Staff*
INTRODUCTION TO ECONOMICS. A survey of the basic concepts used to analyze economic questions. Prerequisite: None. Offered: Each semester.

ECONOMICS 103. (3) *Townsend*
MONEY AND BANKING. Analysis of the fractional reserve banking system, its place in financial markets, and the American economy. The Federal Reserve System and its relation to the banking system are analyzed. Monetary and fiscal policy are examined in the light of Keynesian and Monetarist monetary theory. Prerequisite: Economics 101. Offered: Each semester.

ECONOMICS 201. (3) *Angresano*
COMPARATIVE ECONOMIC SYSTEMS. An examination of the major economic systems with emphasis on implications for resource allocation, income distribution, and economic growth. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 205. (3) *Angresano*
HISTORY OF ECONOMIC THOUGHT. A survey of the development of economics from mercantilism through marginalism. Emphasis will be on the works of the central figures in the evolution of the discipline, including Smith, Ricardo, Mill, Marx, and Marshall. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 206. (3) *Townsend*
DEVELOPMENT OF MODERN ECONOMICS. The study of the development of modern economic theory, beginning with the rise of marginalism in the 1870's. Topics will include marginalism, historical economics, Austrian economics, neo-classical economics, institutional economics, and modern economic theory. The objective of the course is to introduce the student to the origins of modern economic theory. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 208. (3) *Hendley*
PUBLIC FINANCE. An analysis of the process of government decision-making as related to resource allocation and of the effects of governmental budgetary decisions, particularly tax decisions, on individual and business choices. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 209. (3) *Hendley*
TOPICS IN POLITICAL ECONOMY. An adaptation and application of fundamental economic concepts to the analysis of problems such as poverty, education, crime, and professional sports. The topics considered vary from

year to year. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 210. (3) *Staff*
ECONOMIC DEVELOPMENT. A study of fact, theory, and policy in underdeveloped economies. Problems of capital formation, population, agriculture, international trade, foreign aid, etc. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 211. (3) *Staff*
LABOR ECONOMICS. In this course the theoretical and institutional organization of the labor market is studied. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 212. (3) *Staff*
ENVIRONMENTAL ECONOMICS. This course examines the economic determinants of environmental change and analyzes the principal remedies proposed for the problems of pollution and environmental degradation. The objective is to give the student an understanding of, and an ability to apply, the fundamental economic concepts relevant to questions of the environment. Case studies will be used to illustrate and require use of the concepts of public goods, externalities, benefit-cost analysis, and government regulation. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 213. (3) *Hendley*
ECONOMICS OF THE LAW. Application of economic analysis to the civil law, with primary emphasis upon the common law of property, torts, and contracts. Examination of the effects of legal institutions and precedents on economic choices, and study of the economic logic of law. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 220. (3) *Stern*
CORPORATION FINANCE. The financial organization and management of a business corporation. This course includes a study of methods of obtaining capital, financial policy, mergers, reorganization, and liquidation. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 221. (3) *Gibson*
MANAGEMENT ACCOUNTING AND ANALYSIS. Study of the sources, organization and uses of data generated by double-entry accounting. Emphasis will be placed on managerial accounting techniques. Prerequisites: Economics 101 and sophomore standing. Offered: Fall semester.

ECONOMICS 222. (3) *Gibson*
NATURE, MANAGEMENT, AND ENVIRONMENT OF

BUSINESS. The role of business in society and the functions of business are considered within the framework of the social system. Prerequisites: Economics 101 and sophomore standing. Offered: Spring semester.

ECONOMICS 260. (3) *Staff*
INTERNATIONAL ECONOMICS. Examination of the basis of international trade, the balance of international payments and adjustment mechanisms. Application of the theory to current problems of international payments and trade. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 301. (3) *Townsend*
MICROECONOMIC THEORY. A study of the theory of consumer behavior, production, and pricing; comparison of resource allocation in competitive and noncompetitive markets. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 303. (3) *Angresano*
MACROECONOMIC THEORY. Analysis of theories applied to the problems of income determination, unemployment, and inflation in modern industrial economies. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 306. (3) *Staff*
ELEMENTS OF EMPIRICAL ECONOMICS. A study of the application of statistical analysis to economic problems with a review of basic statistical techniques followed by extensive reading of empirical work in economic literature. Prerequisites: Economics 101 and Mathematics 103. Offered: Spring semester of odd years.

ECONOMICS 308. (3) *Staff*
MATHEMATICAL ECONOMICS. Exposition of the mathematical structure of economic theories with particular attention to static and comparative static analysis, game theory, and unconstrained and constrained optimization models. Prerequisites: Economics 301 and Mathematics 101. Offered: Spring semester of even years.

ECONOMICS 401. (3) *Townsend*
SEMINAR IN INTERMEDIATE ECONOMIC THEORY. Applications and extensions of intermediate economic theory, both macro and micro. Prerequisites: Economics 301 and 303. Offered: Fall semester.

ECONOMICS 402. (3) *Hendley*
SEMINAR IN PUBLIC POLICY ANALYSIS. A seminar designed primarily for senior Economics majors concentrating in General Economics and intended to explore the application of economic analysis to a variety of public-policy issues. Prerequisites: Economics 301

and 401 or permission of the instructor. Offered: Spring semester.

ECONOMICS 421. (3) *Gibson*
MANAGERIAL ECONOMICS. Application of microeconomic decision tools to managerial problems of the firm. The class time will be divided between a discussion of tools to be used and application of those tools. Prerequisite: Economics 301. Offered: Fall semester.

ECONOMICS 422. (3) *Gibson*
SEMINAR IN BUSINESS PROBLEMS. The purpose of this course is to integrate the student's knowledge of the business system. Discussion of problems, independent investigation, and communication of conclusions by the student are emphasized. Prerequisites: Economics 221, 222, and senior standing or permission of the instructor. Offered: Spring semester.

CONCENTRATION IN ECONOMICS WITH MATHEMATICS

The Departments of Economics and Mathematics offer a concentration in Economics with Mathematics for students interested primarily in the quantitative aspects of Economics. The concentration consists of the following courses:

ECONOMICS 101.
ECONOMICS 301, 303.
ECONOMICS 306, 308. Two Elective Courses In Economics.
MATHEMATICS 101-102-103.
MATHEMATICS 201-202.
COMPUTER SCIENCE 221.

With permission of the two departments, a student may substitute within the same discipline for the above courses. A substitution must, however, be consistent with the concentration's objective of a tightly integrated program grounding the student in the mathematical concepts most widely used in Economics, and exploring the areas of Economics best illustrating the application of quantitative techniques.

ENGLISH

PROFESSORS CRAWLEY, SIMPSON; ADJUNCT PROFESSOR BUNTING; ASSOCIATE PROFESSORS BAGBY, MARTIN; ASSISTANT PROFESSOR SAUNDERS; LECTURER O'GRADY

The requirements for a major in English are 30 hours in English courses, including two semesters each of History of English Literature, Shakespeare, and American

Literature; a genre course, a period course, and a single-author course other than Shakespeare. Beyond 201-202, only one course at the 200 level may be applied to the major. Majors are required to take at least one course in British history. At least one course in philosophy and at least two semesters in foreign languages beyond the proficiency requirements are recommended. English courses taken at other institutions and presented for major credit must be approved in writing by the department of English; for current students this approval must be secured in advance, and for transfer and former students it must be secured at entrance.

ENGLISH 201-202. (3-3)

Staff

THE HISTORY OF ENGLISH LITERATURE. The first semester surveys major authors, works, and literary types from the beginnings through the eighteenth century, including Chaucer, Shakespeare, and Milton; the second semester continues the history to the present day, including Wordsworth, Tennyson, and Eliot. Appropriate critical approaches other than the historical are employed. Prerequisite: None. Offered: 201 in the fall semester; 202 in the spring semester.

ENGLISH 203. (3)

Crawley

EPIC WRITING IN ENGLISH AND AMERICAN LITERATURE. This study of the epic tradition in English and American literature begins with backward glances at *Beowulf* and *The Faerie Queene* and then proceeds to a careful consideration of Shakespeare's history plays (*Richard II*; *Henry IV, I and II*; *Henry V*; *Richard III*), Milton's *Paradise Lost* and *Paradise Regained* (selected passages), Fielding's *Tom Jones*, Pope's *Rape of the Lock*, Melville's *Moby-Dick*, and Whitman's *Leaves of Grass* (selected passages). Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 204. (3)

Bagby

AMERICAN NATURE WRITING. This course is a study of selected American works which deal with the relationship between man and the natural world. It is an examination of American attitudes toward the uses of nature—as a source of delight, of ethical wisdom, and of revelation in some larger sense—and the methods by which the individual can prepare himself to receive such benefits. Authors to be considered include Cooper, Emerson, Whitman, Thoreau, Frost, Hemingway and Faulkner. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 205. (3)

Martin

UTOPIAN LITERATURE. This study of representative accounts of ideal societies and the perfection of man begins with Plato's *Republic* and More's *Utopia* as bases; other readings include works from the classical era to the present, with concentration on American and British literature of the nineteenth and twentieth centuries. Authors to be considered include Howells, Butler,

Bellamy, Huxley, and Orwell. Prerequisite: None. Offered: On sufficient demand.

ENGLISH 206. (3)

Martin

LITERATURE AND YOUTH. This is a study of the *Bildungsroman*, a type of novel recounting the youth and young manhood of a character attempting to learn the nature of the world, discover its meaning and pattern, and acquire a philosophy of life. Readings include works by Joyce, Wolfe, Ellison, Hemingway, Updike, Conrad, and others. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 207. (3)

Staff

INTRODUCTION TO DRAMA. This course is designed for students interested in understanding plays in the context of an actual performance. Previous theatrical experience is therefore very desirable. Plays to be read will be drawn from various periods and types. Scenes and perhaps even entire plays will be performed, with instruction in the basic elements of play production, but emphasis will fall on interpretation rather than mechanics or technique. Prerequisite: None. Offered: On sufficient demand.

ENGLISH 209. (3)

Simpson

EUROPEAN SHORT NOVEL IN TRANSLATION. Readings are drawn from such major European novelists of the nineteenth and twentieth centuries as Balzac, Camus, Dostoevsky, Flaubert, Gogol, Hesse, Kafka, Kazantzakis, Lagerkvist, Thomas Mann, Moravia, Sartre, Solzhenitsyn, and Tolstoy. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 210. (3)

Bagby

INTRODUCTION TO AFRO-AMERICAN LITERATURE. The works of major black American authors are treated historically and critically, with the aim of understanding what "the American experience" has meant to Afro-Americans. Poetry (from Dunbar to Don L. Lee) and fiction (from Toomer to Baldwin) are the main concerns, but some attention is also given to non-fiction prose (from Douglass to Malcolm X). Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 212 (3)

O'Grady

THE ART OF THE ESSAY. This is a workshop in the craft of modern essay writing. Students will examine classic and experimental essays for technique and content. Emphasis will be placed on individual style, but imitation of selected works will be encouraged. Prerequisite: English 105 or Rhetoric 101-102 and consent of the instructor. Offered: On sufficient demand.

ENGLISH 331. (3) *Crawley*
AMERICAN LITERATURE TO 1865. This is a general study of American literature from colonial times through the Civil War. While attention is given to the milieu, continuity, and development of our literature, the emphasis is upon major figures: Poe, Hawthorne, Melville, Emerson, and Thoreau. Appropriate critical approaches other than the historical are utilized in considering the key works of these authors. Prerequisite: None. Offered: Fall semester.

ENGLISH 332. (3) *Crawley*
AMERICAN LITERATURE SINCE 1865. This is a continuation of English 331, covering the period from the Civil War to the present. Again, attention is given to the milieu, continuity, and development of our literature, with emphasis upon the following major figures: Whitman, Dickinson, Twain, Henry James, Crane, Dreiser, Frost, Eliot, and Faulkner. Appropriate critical approaches other than the historical are utilized in considering the key works of these authors. Prerequisite: None. Offered: Spring semester.

ENGLISH 341. (3) *Brinkley*
HISTORY OF THE ENGLISH LANGUAGE. This is a general introduction to the English language as modern linguistics defines and describes the evolutionary forces that have determined its sound- and form-systems, syntax, and vocabulary. Considerable attention is paid to identifying the diagnostic features of the various phases in the development of the language, to the social and other non-linguistic factors in language development, and to the peculiar history of American English and its dialects. Prerequisite: None, but English 201-202 is strongly recommended. Offered: Fall semester of odd years.

SEE ALSO Classical Studies 201, English Etymology; and Linguistics 301 and 302, Descriptive and Historical Linguistics.

ENGLISH 352. (3) *Martin*
MEDIEVAL ENGLISH LITERATURE. This is a study of Old English and Middle English literature (exclusive of Chaucer), surveying major authors and works, important literary genres, and characteristic human values of the English middle ages. Readings will be in modern translation; knowledge of Old English and Middle English languages is not required. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 355. (3) *Bagby*
POETRY OF THE ENGLISH RENAISSANCE. A survey of non-dramatic poetry (exclusive of Milton) from the middle of the sixteenth century to the Restoration, concentrating especially on Sidney, Spenser, the major

"metaphysical" poets, and Ben Jonson, but including some lesser writers as well. The course studies these poets in their historical and intellectual settings, and considers also the new forces which led to renaissance in English poetry. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 361. (3) *Saunders*
THE AUGUSTAN AGE. This course is a critical study of the major writers of the eighteenth century, particularly Pope and Swift, and of the central imaginative concerns of the transition from the Renaissance world view to the Romantic and post-Romantic era. There is a concentration on satire, but with some attention also to drama, the novel, lyric poetry, and miscellaneous prose. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 363. (3) *Simpson*
ENGLISH NOVEL. The English novel is studied from its inception with Defoe and Richardson in the eighteenth century to the end of the nineteenth century. Major novelists to be read include Austen, the Bronte sisters, Dickens, Thackeray, and Hardy. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 365. (3) *Bagby*
THE ENGLISH ROMANTICS. The six major Romantics — Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats — are read critically. Primary emphasis is on the poetic vision of each writer, but with some attention also to the continuing struggle of "the Romantic imagination." Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 367. (3) *Saunders*
VICTORIAN LITERATURE. This course will concentrate on the major Victorian poets — Browning, Tennyson, and Arnold — and sample the minor ones. It will examine the prose writings of Carlyle, Darwin, Mill, and Arnold; and it will peek into the prose fiction of at least one significant Victorian novelist — probably Dickens. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 372. (3) *Simpson*
MODERN BRITISH AND AMERICAN NOVEL. Major twentieth-century novelists in English are read, including Conrad, Joyce, D. H. Lawrence, Graham Greene, Hemingway, Faulkner, and Steinbeck. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 374. (3) *Bagby*
MODERN BRITISH AND AMERICAN POETRY. This is a critical study of major poets of the twentieth century, such as Yeats, Pound, Eliot, Frost, Williams, Stevens, and Hughes; it is intended less as an historical overview than as a close examination of the poetic

worlds of the individual writers. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 376. (3) *Simpson*
MODERN DRAMA. American, British, and European plays since 1880 are read. Playwrights may include Ibsen, Strindberg, Chekhov, Shaw, O'Neill, Pirandello, Garcia Lorca, Brecht, Tennessee Williams, and Arthur Miller. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 381. (3) *Martin*
ENGLISH DRAMA. This is a survey of English drama, exclusive of Shakespeare. The nature and origins of drama as a literary genre are studied, with attention to the characteristics of tragedy, comedy, and other types. Readings include representative plays from the medieval, Renaissance, Restoration, neoclassical, Romantic, and Victorian periods. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 384. (3) *Simpson*
THE SHORT STORY. Readings are drawn from American, British, and European short stories, and from criticism and the theory of fiction. Authors might include Poe, Hawthorne, James, Twain, O. Henry, Lardner, Hemingway, and Faulkner; R. L. Stevenson, Saki, Maugham, Mansfield, D. H. Lawrence, and Graham Greene; Maupassant, Chekhov, Pushkin, Balzac, Tolstoy, Kafka, and Thomas Mann. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 391. (3) *Martin*
LITERATURE OF WAR. Major literary works concerning war are studied, with special attention to the ways in which war has occasioned great literature and to such recurring themes as suffering and heroism. Reading is concentrated in works of the nineteenth and twentieth centuries, but includes works of ancient, medieval, and Renaissance periods. Emphasis is on novels of Crane, Hemingway, Mailer, Greene, Heller, Vonnegut. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 400. (3) *Martin*
CHAUCEER. *The Canterbury Tales, Troilus and Criseyde,* and other main poems of Chaucer are studied. Attention is given to the literary and cultural background of Chaucer's works. Most readings are in Middle English, but prior knowledge of the Middle English language is not required. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 403-404. (3-3) *Crawley*
SHAKESPEARE. The early comedies, histories, and tragedies, the Sonnets, *Venus and Adonis*, and *The Rape of Lucrece* are treated in first semester. The later histories, the "problem plays," the great tragedies, and

the romances are read in second semester. Both courses stress the development of Shakespeare as a literary artist. Prerequisite: None. Offered: 403 in the fall semester; 404 in the spring semester.

ENGLISH 407. (3) *Crawley*
MILTON. This is a study of all of Milton's poetry, with emphasis upon *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* as a trilogy. Milton's life and his prose are considered insofar as they contribute to an understanding of his thought and poetic achievement. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 411. (3) *Martin*
HEMINGWAY. The major novels, stories, and essays of Ernest Hemingway are read and critically evaluated. The relationship between Hemingway's personal life and the style, subject matter, and heroic code of his fiction is central, but emphasis is on the fiction, not the life. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 414. (3) *Simpson*
FAULKNER SEMINAR. An early novel, the four great novels of his "second period," several significant short stories, and a number of articles and poems are among the readings from Faulkner's work intended to display his diverse talents, multiple themes, and innovative techniques. Prerequisite: Consent of instructor. Offered: Spring semester of odd years.

ENGLISH 420. (3) *Crawley*
LITERARY CRITICISM. This is a study of critical theories from Aristotle to the present, especially of modern trends in criticism, and an introduction to the practice of critical techniques. An attempt is made to arrive at a reasonably comprehensive and synthesizing view of our literary heritage, both English and American. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 431. (3) *O'Grady*
INTRODUCTORY CREATIVE WRITING. This is a workshop in the craft of writing poetry and short fiction. The general approach will be to examine selected short works as models and to present copies of student writing to the class for discussion and criticism. Prerequisite: Consent of the instructor. Offered: Fall semester.

ENGLISH 432. (3) *O'Grady*
ADVANCED CREATIVE WRITING. This is a continuation of English 431 with greater emphasis placed on developing an individual style in a specific genre. This workshop will also focus on writing poetry and short fiction. Prerequisite: Consent of the instructor. Offered: Spring semester.

FINE ARTS

PROFESSOR THOMPSON; ASSOCIATE PROFESSOR BURNHAM

FINE ARTS 103. (3) *Burnham*
INTRODUCTION TO MUSIC LITERATURE. This course examines music in its historical and cultural context through readings, guided listening, audio-visual materials and lecture demonstrations. No special musical knowledge or ability is required. The course is open to all students. Prerequisite: None. Offered: Fall semester.

FINE ARTS 201-202. (3-3) *Thompson*
THE HISTORY OF THE FINE ARTS. This course is designed to promote the enjoyment of the fine arts — painting, architecture, and sculpture. A knowledge of ancient, medieval, and modern history and of ancient and modern languages is useful as background information but is not a requirement. 202 includes a Spring trip to the Washington galleries. Not open to freshmen. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

FINE ARTS 206. (3) *Thompson*
WESTERN ART OF THE 19TH AND 20TH CENTURIES. The painting, sculpture, and architecture of Europe and the Americas in the modern age. Prerequisite: Fine Arts 202 or equivalent. Offered: On sufficient demand.

FINE ARTS 211-212. (3-3) *Burnham*
MATERIALS, TECHNIQUES AND STRUCTURE OF MUSIC. These courses are designed to aid in the understanding of the fundamentals of music as well as in developing elementary analytical skills followed by application through synthesis (writing and arranging). Among topics to be covered: fundamentals, harmonic functions, counterpoint, small-musical forms, compound forms, sight-reading, keyboard, melodic-rhythmic dictation, and score study. Fine Arts 212 is an advanced continuation of 211. Prerequisite: Fine Arts 103 or permission of the instructor. Offered: Fall and Spring semesters.

FINE ARTS 302. (3) *Burnham*
TOPICS IN MUSIC HISTORY. This course will go into considerable depth in the topic(s) selected for the particular semester, i.e., song, instrumental, music, choral music, opera, musical theatre, jazz, etc. The study will be analytical (aural and visual) with some individual research and analysis and several written reports of observations and findings. Prerequisite: Fine Arts 103 and 211 or permission of instructor.

HISTORY

PROFESSOR BLISS; ASSOCIATE PROFESSORS FITCH, HEINEMANN, LAINE, SIMMS

The requirements for a major in History are 33 hours in history courses, including History 101-102 and 500. Of the remaining 24 hours, 9 must be in the field of United States history and 9 in any field outside United States history. In addition, history majors must take any one course (3 hours) in each of the fields of Political Science, Economics, and Philosophy.

All 300 and 400 level courses are open only to juniors and seniors or with the consent of the instructor.

Students are encouraged to develop individualized majors in consultation with a member of the History Department. Such a major would give a student a thorough foundation in history while offering him the opportunity to pursue topics of interest in related disciplines.

HISTORY 101-102. (3-3) *Laine, Simms*
WESTERN CIVILIZATION. The study of Western Civilization from the Renaissance and Reformation to the present century, with emphasis on those movements and institutions which have determined the form of the contemporary Western World. History majors must take this course no later than their junior year. It is a natural sequel to Western Man 101-102. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

HISTORY 111-112. (3-3) *Bliss, Fitch*
UNITED STATES. The first semester is confined to the period from the establishment of the colonies to the close of the Civil War, with emphasis on the period following 1763, especially the years 1830-1860. The second semester begins with Reconstruction and goes through World War II with emphasis on the rise of progressivism and the New Deal. If time permits, developments in the post-war period will be considered. Prerequisite: None. Offered: 111 in the Fall semester; 112 in the Spring semester.

HISTORY 113. (3) *Heinemann*
FRESHMAN SEMINAR IN AMERICAN HISTORY. A seminar investigating a selected topic in American history, utilizing readings, student papers, and class discussions. Open to freshmen only. Prerequisite: None. Offered: Fall semester.

HISTORY 201-202. (3-3) *Laine*
ENGLAND AND THE BRITISH EMPIRE. The origins and growth of English institutions and their spread to other parts of the world. Particular attention is devoted to the English contribution in government and law, to Britain's relations with the rest of the world, and to the rise and decline of her empire. The second semester begins with the Restoration in 1660. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

HISTORY 203-204. (3-3)

Simms

RUSSIAN HISTORY. The first semester covers the period from the founding of Kievan Russia in the ninth century to the end of Nicholas I's reign in 1855. The second semester carries the story to the present. Prerequisite: Open only to juniors and seniors, or permission of the instructor. Offered: 203 in the Fall semester; 204 in the Spring semester.

HISTORY 205-206. (3-3)

Laine

THE FAR EAST. The impact of the West on East Asia and the resulting response of Asia to the Western invasion. Special emphasis is given to China — the influence of traditional Chinese civilization on surrounding countries, the growth of nationalism in China, the Japanese invasion of China, and the rise to power of the Chinese Communists. Prerequisite: None. Offered: 205 in the Fall semester; 206 in the Spring semester.

HISTORY 211. (3)

Bliss

COLONIAL AMERICA. After a consideration of the motives of English colonization and the actual establishment of the colonies, particular attention is given to the factors shaping the economic, social, and political institutions of colonial America, and to the origins of the Revolution. Prerequisite: None. Offered: Fall semester.

HISTORY 212. (3)

Fitch

THE AGE OF THE AMERICAN REVOLUTION, 1763-1815. A survey which examines the processes which led to the creation of the American Republic. Emphasis is given to the causes of the Revolution and the emergence of American nationalism, the Confederation era, the creation of the Constitution, and the early years of the Republic. Prerequisite: None. Offered: Spring semester.

HISTORY 213-214. (3-3)

Heinemann

CIVIL WAR AND RECONSTRUCTION. The United States from the War of 1812 to the Compromise of 1877. The first semester studies the origins of the Civil War, emphasizing the themes of nationalism and sectionalism, slavery, abolition, and the breakdown of the political system. The second semester investigates the waging of the war, with some attention given to military events, and the efforts to restore the Union. Prerequisite: None. Offered: 213 in the Fall semester; 214 in the Spring semester.

HISTORY 215-216. (3-3)

Heinemann

MODERN AMERICA. The United States from the end of Reconstruction to the present. The first semester (1877-1916) covers the development of America's industrial revolution, its impact on American life, and the responses of Populist and Progressive reformers to the new order. The themes of domestic reform and

foreign involvement dominate the second semester, with emphasis on the Twenties, the New Deal, and the Cold War. Prerequisite: None. Offered: 215 in the Fall semester; 216 in the Spring semester.

HISTORY 280. (3)

Heinemann

CIVIL WAR FIELD TRIP. A study of the tactics and strategy adopted and the influence of terrain in the eastern theater of the Civil War, with special emphasis on the life of the ordinary soldier as well as the characters of the prominent generals. Following some preliminary reading and classroom work, the class will take a ten day tour of the battlefields in this area, camping out where possible. Prerequisite: None. Offered: Spring short term on sufficient demand.

HISTORY 301. (3)

See Classical Studies.

HISTORY 302. (3)

See Classical Studies.

HISTORY 304. (3)

Bliss

MEDIEVAL CIVILIZATION. From the decline of the Roman Empire to the beginnings of the Modern Age. Emphasis is placed on the rise of feudal institutions, the rise of Christianity and the medieval church, the conflict between papal and secular governments, and the beginnings of nationality. Prerequisite: None. Offered: Spring semester.

HISTORY 305-306. (3-3)

Bliss

THE TWENTIETH CENTURY WORLD. The first semester is a study of the international scene between 1918 and 1945, with emphasis on conditions leading to the outbreak of World War II. The second semester is essentially concerned with the origins of tensions between East and West blocs, with particular emphasis on developments in the Near East, Africa, and Asia. Prerequisite for 305: None. Prerequisite for 306: History 305. Offered: 305 in the Fall semester; 306 in the Spring semester.

HISTORY 313. (3)

Fitch

UNITED STATES DIPLOMATIC HISTORY. A survey of America's role in foreign affairs from the formation of the republic to the contemporary period. Emphasis will be given to the nature of American interests and the interplay between ideals and self-interests as America experienced the transition from a small power to great power status. Prerequisite: None. Offered: Fall semester.

HISTORY 315-316. (3-3)

Fitch

AMERICAN INTELLECTUAL HISTORY. This course provides an intensive examination of ideas in America from the colonial era to the present, dividing around the mid-nineteenth century. Emphasis is given to the development of major patterns of thought in America and the impact of these ideas upon institutions and values. Specific topics will be chosen to illustrate the particular configuration of political, social, economic,

religious, and philosophical movements in America. Prerequisite: None. Offered: 315 in the Fall semester; 316 in the Spring semester.

HISTORY 317. (3) *Heinemann*
THE AMERICAN SOUTH. A study of the unique features of the Southern past which have distinguished the region from the rest of the nation. Emphasis is given economic development, the role of race, the role of myth in the making of history, and political leadership. Prerequisite: Offered: Spring semester of even years.

HISTORY 318. (3) *Heinemann*
BLACK AMERICA. A study of the Negro's contribution to American history and culture, both individually and collectively. Emphasis is given to the institutions of slavery and segregation, black leadership, and the black protest movement. Prerequisite: None. Offered: Spring semester of odd years.

HISTORY 406. (3) *Simms*
STUDIES IN MODERN EUROPEAN HISTORY. This course will deal with special topics in Modern European History such as War and Revolution, utilizing outside readings, student papers, and class discussion. Permission of instructor required. Offered: Spring semester.

HISTORY 407. (3) *Laine*
TUDOR AND STUART BRITAIN. An examination of the rulers and major persons from 1485 to 1714 with emphasis on the establishment of the strong Tudor monarchy and the eventual eclipse of the Stuart monarchy by the social and political groups which came to dominate Parliament. Due consideration is given to the intellectual, religious, economic, and social changes which produced the constitutional development. Prerequisites: History 201-202 or permission of instructor. Offered: Spring semester.

HISTORY 408. (3) *Laine*
THE AGE OF HUMANISM AND REFORMATION. A study of the decline of characteristic features of medieval civilization and the rise of modern European institutions, with particular attention to intellectual movements from Dante to Erasmus. Emphasis is given to the origin of Luther's revolt, the course of the Reformation in its different forms, and the development of the Counter-Reformation. Prerequisites: Open to seniors; juniors with permission of instructor. Offered: Fall semester of odd years.

HISTORY 412. (3) *Heinemann*
STUDIES IN TWENTIETH CENTURY AMERICA. A seminar investigating selected topics in Twentieth Century American life and politics, utilizing readings, student papers, and class discussions. Open to juniors and seniors. Prerequisite: None. Offered: Spring semester.

HISTORY 500. (3)

Staff

SENIOR THESIS. All history majors will be required to write in either term of their senior year a thesis. An exercise in research and advanced composition, the thesis will investigate in detail some historical topic of interest to the student. The student will work under the guidance of a member of the History Department in selecting, researching, and writing his essay. Prerequisite: None. Offered: Each semester.

HUMANITIES

FACULTY OF THE DEPARTMENTS OF CLASSICS, ENGLISH, FINE ARTS, HISTORY, MODERN LANGUAGES, AND PHILOSOPHY

The requirement for the Humanities major, including the distribution requirement in the Humanities division and the foreign language proficiency requirement, is 60 semester hours' work, as follows:

a) English	12 semester hours
200 level and above	
b) Foreign Languages	18 semester hours
200 level and above	
in two languages,	
one ancient, one modern	
c) Philosophy 301-302	6 semester hours
d) Fine Arts 201-202 or 103	
or 211-212 or 302	6 semester hours
e) History	9 semester hours
Ancient, 3 semester hours	
Medieval, 3 semester hours	
Additional, 3 semester hours	
f) Advanced English,	
Foreign Language,	3 semester hours
Philosophy, or thesis	
g) Electives in the Humanities	6 semester hours

INTERSCIENCE

FACULTY OF THE DEPARTMENTS OF BIOLOGY, CHEMISTRY, MATHEMATICS, AND PHYSICS

Students may satisfy the requirements for the Interscience Major as well as the Natural Science portion of the distribution requirements by following any one of the several courses of study specified below.

Biochemistry

BIOLOGY: 103-153 (General and Laboratory), 220 (Microbiology), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology); either 334 (Advanced Biochemistry) or 222 (Morphogenesis) or 322 (Comparative Vertebrate) or 321 (Developmental) or 342 (Plant Physiology). Total: 24-25 hours.

CHEMISTRY: 101-102-151-152 (Concepts and Laboratory), 201-202-251-252 (Organic), 302 (Physical Chemistry II), 311 (Biochemistry). Total: 22 hours.

OTHER: Physics 111-112-151-152 (General and Laboratory); Mathematics 101 (Calculus I). Total: 12 hours.

Biophysics

BIOLOGY. 103-153 (General and Laboratory), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology), either 222 (Morphogenesis) or 220 (Microbiology) or 342 (Plant Physiology). Total: 20-21 hours.

PHYSICS: 111-112-151-152 (General Physics and Laboratory), 215-216-261-262 (Electronic Instrumentation), 213 (Radiation Physics), 211 (Computer-Based Physics), 304 (Optics). Total: 24 hours.

OTHER: Chemistry 101-102-151-152 (Concepts and Laboratory); either Chemistry 201-251 (Organic) or Mathematics 101 (Calculus I). Total: 12 hours.

Substitutions in the above courses of study may be made with the approval of both department chairmen in the areas of concentration. Such substitutions must not lessen the coherence of the course of study.

Other Interscience Programs

Other courses of study involving concentrations in Mathematics and the Natural Sciences must include Mathematics 202 and at least six semester hours in Mathematics at the 300 or 400 level. Programs must include at least 52 semester hours in Mathematics and the Natural Sciences, and meet one of the three following distribution requirements: Either a) 42 hours in Mathematics and Biology combined; or b) 42 hours in Mathematics and Chemistry combined; or c) 42 hours in Mathematics and Physics combined. The course of study must form a coherent program, and must be approved by both department chairmen in the areas of concentration. The planned course of study shall be presented to the Dean of the Faculty at spring pre-registration of the sophomore year. Later substitutions in the course of study may be made with the approval of both department chairmen; such substitutions must not lessen the coherence of the course of study.

INTRODUCTORY HONORS

FACULTY OF THE DIVISIONS OF HUMANITIES, NATURAL SCIENCES, AND SOCIAL SCIENCES

HONORS 101. (3) *Staff*
SEMINAR IN SOCIAL SCIENCES. Consideration of a selected topic designed to introduce students to modes

of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 102. (3 or 4 hours) *Staff*
SEMINAR IN NATURAL SCIENCES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 103. (3) *Staff*
SEMINAR IN HUMANITIES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 202. (3) *Staff*
INTERDISCIPLINARY SEMINAR. Consideration of a major issue from the perspectives of the three disciplines introduced in Honors 101, 102, and 103. Various issues considered in subsequent years. Prerequisites: Open to Honors caliber sophomores only; Honors 101, 102, and 103 or special permission of the Honors Council required. Offered: Spring semester.

MATHEMATICS AND COMPUTER SCIENCE

*ASSOCIATE PROFESSORS ESPIGH, GASKINS, SANDERS**; *ASSISTANT PROFESSORS BRYCE, FRANKE*; *LECTURER NAILOR*

The requirements for a major in mathematics are a minimum of 36 hours in mathematics and computer science, including Mathematics 101, 102, 201, 202, 301, 303, and electives at the 200 level or higher totaling at least 15 semester hours. Of these 15 hours, at most 6 may be in computer science. Subject to prior approval by the department, one 3-hour course, making extensive application of advanced mathematics and chosen from another discipline, may be substituted for one mathematics elective.

The Computer Science Option is for those who plan on doing advanced work in computing, and consists essentially of a major in mathematics supplemented by work in computer science. The recommended courses are Mathematics 101, 102, 201, 202, 301, 303, together with at least one of Mathematics 203, 304, 308, 309, 310, and all of Computer Science 221, 222, 321, 322, 421, 422. Students interested in pursuing this option are advised to consult with the computer science faculty no later than the second semester of their freshman year.

*On leave 1980-81

MATHEMATICS 100. (4) *Staff*
ELEMENTARY FUNCTIONS. Review of selected topics in algebra and analytic geometry. Properties and graphs of algebraic, exponential, logarithmic, and trigonometric functions. This course is designed as a pre-calculus course for those students planning to take calculus who lack sufficient preparation to enter Math 101. (Math 100 may not be used to satisfy the natural sciences distribution requirement.) Prerequisite: None. Offered: Each semester.

MATHEMATICS 101. (4) *Franke, Bryce, Staff*
CALCULUS I. Functions, limits, derivative, definite and indefinite integral, plane analytic geometry, vectors. Prerequisite: None. Offered: Each semester.

MATHEMATICS 102. (4) *Bryce*
CALCULUS II. Trigonometric, logarithmic, and exponential functions, techniques of integration, applications of the derivative and integral, underlying theory. Prerequisite: Math 101 or advanced placement examination. Offered: Spring semester.

MATHEMATICS 103. (4) *Gaskins, Staff*
STATISTICS. Introduction to probability and statistics. Prerequisite: None. Offered: Each semester.

MATHEMATICS 104. (3) *Staff*
MATHEMATICS FOR BUSINESS MANAGEMENT. Modern mathematical concepts and structures applied to business management. Prerequisite: None. Offered: Spring semester.

MATHEMATICS 105. (3) *Sanders*
HISTORY OF MATHEMATICS. The study of the development of mathematical concepts, with an emphasis on the relationship of the mathematics of each age to the prevailing culture. Topics receiving particular attention include the sudden flowering of mathematics as a deductive science in Classical Greece, the invention of analytic geometry, the development of the calculus, and the development of non-Euclidean geometry. Prerequisite: None. Offered: Fall Semester. Not offered 1980.

MATHEMATICS 201. (3) *Bryce*
LINEAR ALGEBRA. Vector spaces, linear transformations and matrices, inner product spaces. Development of computational tools. Prerequisite: Math 102. Offered: Fall semester.

MATHEMATICS 202. (4) *Staff*
CALCULUS II. Polar coordinates, solid geometry and vectors, partial derivatives, multiple integrals, infinite series. Prerequisite: Math 102 or advanced placement examination. Offered: Spring semester.

MATHEMATICS 203. (4) *Gaskins*
STATISTICAL METHODS. Organizing, conducting, and analyzing experiments with emphasis on data analysis using both parametric and non-parametric methods. Prerequisite: Math 103 or consent of instructor. Offered: Spring semester of odd years.

MATHEMATICS 207. (3) *Bryce*
DIFFERENTIAL EQUATIONS. The study of ordinary differential equations, drawing from such topics as first and second order equations with applications, general linear equations, systems, series solutions, Laplace transform. Prerequisite: Math 202 or consent of professor. Offered: Fall semester of odd years.

MATHEMATICS 301-302. (3-3) *Bryce*
ADVANCED CALCULUS. Topics may include sets, functions, limits, continuity, differentiation, integration, sequences and series, uniform convergence, power series, transformations and their differentials and inverses, implicit functions, transformations of multiple integrals, line and surface integrals, Fourier series. Development of the theory. Prerequisite: Math 202. Offered: 301 in the Fall semester; 302 in the Spring semester of odd years.

MATHEMATICS 303-304. (3-3) *Sanders*
ALGEBRAIC STRUCTURES. Groups, rings, fields, linear algebra, and selected topics. Prerequisite: Math 201. Offered: 303 in the Fall semester of odd years; 304 in the Spring semester of even years.

MATHEMATICS 305. (3) *Sanders*
GEOMETRY. An axiomatic approach to Euclidean geometry and an introduction to non-Euclidean geometries. Prerequisite: Math 102. Offered: Spring semester of even years.

MATHEMATICS 306. (3) *Bryce*
TOPOLOGY. Elementary topological concepts. Prerequisite: Math 301. Offered: Spring semester of odd years.

MATHEMATICS 307. (3) *Espigh*
ELEMENTARY NUMBER THEORY. An introduction to the theory of numbers. Prerequisite: Math 102. Offered: Fall semester of even years.

MATHEMATICS 308. (3) *Bryce*
NUMERICAL ANALYSIS. Solutions to problems of analysis by numerical methods and the study of error in numerical processes. Prerequisites: Math 201 and Computer Science 221. Offered: Spring semester of even years.

MATHEMATICS 309. (3) *Bryce*
APPLIED MATHEMATICS. Mathematical models and topics in advanced mathematics with application to the

natural and social sciences. Prerequisites: Math 201 and 301. Offered: Spring semester of odd years.

MATHEMATICS 310. (3) *Staff*
PROBABILITY AND STATISTICS. The theory of probability and statistics. Prerequisites: Math 102 and 103. Offered: On sufficient demand.

MATHEMATICS 311. (3) *Bryce*
COMPLEX ANALYSIS. An introduction to the theory of complex functions. Prerequisite: Math 301. Offered: Fall semester of even years.

MATHEMATICS 401-402. (3-3) *Staff*
REAL ANALYSIS. Introduction to the theory of real functions, Lebesgue measure and integration, and related topics. Prerequisites: Math 301 and 302. Offered: On sufficient demand.

COMPUTER SCIENCE COURSES

COMPUTER SCIENCE 121. (3) *Franke*
INTRODUCTION TO ELECTRONIC DATA PROCESSING. A study of the programming methods, logic, and machinery used in modern business programming. Emphasis will be on applications-programming through the Common Business Oriented Language (COBOL). Prerequisite: None. Offered: Fall semester.

COMPUTER SCIENCE 122. (3) *Franke*
ADVANCED COBOL PROGRAMMING. A continuation of Computer Science 121 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 121. Offered: Spring semester of even years.

COMPUTER SCIENCE 221. (3) *Franke*
INTRODUCTION TO COMPUTING. Discussion of algorithms, programs, and computers. Extensive work in the preparation, running, debugging, and documenting of programs. Discussion of organization and characteristics of hardware and software systems. Prerequisite: None. Offered: Each semester.

COMPUTER SCIENCE 222. (3) *Franke*
ADVANCED FORTRAN PROGRAMMING. A continuation of Computer Science 221 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 221. Offered: Spring semester.

COMPUTER SCIENCE 321. (3) *Gaskins*
COMPUTERS AND PROGRAMMING. Computer structure with reference to programming applications of the structure. Machine and assembly language programming concepts will be discussed, and exercises

illustrating the discussions will be given on available computing systems. Prerequisite: Computer Science 221. Offered: Fall semester of odd years.

COMPUTER SCIENCE 322. (3) *Gaskins*
INTRODUCTION TO INFORMATION STRUCTURES. Selected topics in discrete mathematics to include Boolean algebra, propositional logic, and graph theory. Description of data bases and their structure, sorting and searching of information from files, referencing and processing techniques based on structure. List processing, content addressing, and cross-referencing of files. Prerequisite: Computer Science 222. Offered: Spring semester of even years.

COMPUTER SCIENCE 421. (3) *Gaskins*
PROGRAMMING LANGUAGES. Formal definition of programming languages to include specification of syntax and semantics. Comparative studies of algorithmic, list processing, string manipulation, simulation, and algebraic manipulation languages. Prerequisite: Computer Science 222. Offered: Fall semester of even years.

COMPUTER SCIENCE 422. (3) *Gaskins*
SYSTEMS PROGRAMMING. Study of construction of software to handle the operation of a computing system. Topics covered include batch processing systems, multiprogramming and multiprocessor systems, and addressing techniques. Prerequisites: Computer Science 321, 322, and 421. Offered: Spring semester of odd years.

MODERN LANGUAGES

PROFESSOR WHITTED; ASSOCIATE PROFESSORS FARRELL, JAGASICH, SILVEIRA

The requirements for a major in French or Spanish are 18 hours in the language including 301-302 with four courses at the 400 level, and the completion of one of the following cultural or linguistic options: 1) Latin or Greek through the 102 level plus *Descriptive Linguistics* (Classical Studies 301) and *English Etymology* (Classical Studies 201); or 2) a second modern language (French, Spanish, or German) through the 202 level; or 3) six semester courses (not counted toward distribution requirements) in related cultural areas to include Fine Arts, History, Literature, Religion or Philosophy. Majors are required to present at least six hours credit from an approved host institution in a foreign country where the target language is spoken. Garlick Honoraria are offered to support and encourage candidates. Credit for foreign study in language is granted at par with other Hampden-Sydney programs though courses overseas must be approved in advance by the Foreign Study Committee in conjunction with the department concerned and be consonant with Hampden-Sydney curricular philosophy. For a concentration with some other discipline (e.g., Political Science), the student must complete in the language(s) concerned four semester courses at the 400 level.

THE PROFICIENCY REQUIREMENT

The proficiency requirement at Hampden-Sydney College is deemed by this department met when a student has shown the structural competence and functional capability to approach unfamiliar material in the target language, such material to be mature, of significant dimension, and not adapted for student use. The student shall give evidence of his understanding by clear response and rudimentary analysis, in the target language, to interrogation, also in the target language. This and no other proof will be satisfactory. "Gist" reading and "gist" comprehension, as they do not lead to analysis, will not be adequate. Since all students are required to demonstrate proficiency in a foreign language, modern or classical, the following Modern Language Department classes are designated for that purpose: 201 and its sequel 202. Students may, of course, take these same courses for credit toward the distribution requirement in Humanities, but they must observe the prerequisites in each case.

MODERN LANGUAGE PLACEMENT POLICY

Proficiency may also be demonstrated by evidence of scores on nationally-recognized normative tests: 85 on the Princeton MB form; 650 on the SAT achievement test; 4 on the Advanced Placement examination. Students without such documentation will be screened and placed tentatively in the appropriate section. Placement may be contested by petition to the Department of Modern Languages, and although all students are encouraged to enter the highest level possible, those unsure of their preparation may begin with 102 if they choose, but in any event, must take both 201 and 202 to satisfy the Hampden-Sydney language requirement. Students engaged in preparing for or satisfying the proficiency requirement will have priority space in all 100- or 200-level classes. Only students having had no prior preparation will be allowed to enter 101 sections. Students will not be allowed to offer courses from other institutions against the Hampden-Sydney proficiency requirement unless they are prepared to take and pass the Princeton MB battery with a score of 85.

FRENCH

FRENCH 101-102. (3-3) *Farrell*
INTRODUCTION TO FRENCH. Grammar, reading, and drill in pronunciation. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester. Meets four times weekly. (101 is not open to those who may have previously studied the language; such students must begin with 102.)

FRENCH 201-202. (3-3) *Farrell*
INTERMEDIATE FRENCH. A balanced course with emphasis on reading. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Laboratory. Offered: 201 in the Fall semester; 202 in the Spring semester. Meets four times weekly.

FRENCH 301-302. (3-3) *Farrell*
MASTERPIECES OF FRENCH LITERATURE. A survey of French literature from its medieval origins to

the present; a thematic presentation with complete, representative works read. Considerable reading. Prerequisite: French 201-202 or equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester meets four times weekly.

FRENCH 307-308. (3-3) *Farrell*
MASTERPIECES OF FRENCH LITERATURE (in English). An introduction to world literature of French origin for elective credit in Humanities. Same structure and material as 301-302. Prerequisite: French 201-202 or approval of professor. Offered: When possible.

FRENCH 401. (3) *Farrell*
FRENCH THEATER. Survey of French drama from medieval *troupe* to *absurde*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

FRENCH 402. (3) *Farrell*
ADVANCED FRENCH COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; emphasis on essay format and *explication de textes*. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

FRENCH 403. (3) *Farrell*
FRENCH POETRY. Survey of French poetical forms from Middle Ages to Symbolism; examination of the unique character of French verse. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

FRENCH 404. (3) *Farrell*
FRENCH NOVEL. Seminar course to be conducted through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the elaboration of early narrative forms through the *nouveau roman*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

GERMAN

GERMAN 101-102. (3-3) *Jagasic*
INTRODUCTION TO GERMAN. A thorough familiarity with the language is developed by constant grammatical drill, composition, and translation. A reasonable amount of simple narrative prose is read. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester. (101 is not open to those students who may have previously studied the language; such students must begin with 102.)

GERMAN 201-202. (3-3)

Jagasich

INTERMEDIATE GERMAN. A review of grammar will be covered. Oral practice based on readings from various types of material will be emphasized. Elements of composition taught. Students will be encouraged to perform a play as well as report on individual outside reading. Laboratory. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: 201 in the Fall semester; 202 in the Spring semester.

GERMAN 301-302. (3-3)

Jagasich

SURVEY OF GERMAN LITERATURE. The history of German literature from the beginnings to our day, with class reading of selected poetry, prose and drama of the 19th and 20th centuries. Term reports on extensive parallel reading. Prerequisite: German 201-202, or its equivalent. Offered: On sufficient demand.

GERMAN 307-308 (3-3)

Farrell

SURVEY OF GERMAN LITERARY FORMS IN ENGLISH TRANSLATION. First semester will offer study of texts from the Teutonic epic to *Faust, Erster Teil*. Second semester will begin with Goethe's *Werther* and continue through Gunther Grass' *Katz und Maus* and the beginning of the Second World War. Emphasis on unique German literary expression. Extensive reading. Does not count toward major. Offered: When possible.

GERMAN 401. (3)

Jagasich

GERMAN THEATRE. Survey of German drama from medieval *Fästnachtsspiel* and *Volksspiel* to the *Absurde* (through the *Burgersatire* and *Horspiele*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

GERMAN 402. (3)

Jagasich

ADVANCED GERMAN COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; vocabulary acquisition and stylistics incorporated in the program. Linguistic approach. Conducted in major language. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

GERMAN 403. (3)

Jagasich

GERMAN POETRY. Survey of German poetic forms from Middle Ages to *Symbolismus*; *Spruchdichtung*, *Ballade* and *Klassische Poesie* through *Dichtungstheorie*. Extensive reading. Analysis of thematic and metric variations. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

GERMAN 404. (3)

Jagasich

GERMAN NOVEL. Seminar course to be conducted

through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the elaboration of early *Erzähl-literatur* through the *Roman zwischen Tradition und Wandlung* and *Die Geschichtserzählung*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

RUSSIAN

RUSSIAN 101-102. (3-3)

Jagasich

INTRODUCTORY RUSSIAN. Basic writing and reading skills are taught. Grammatical concepts are explained and drilled through dictations, translations and elementary conversation. A reasonable amount of narrative prose is read. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: On sufficient demand. (101 is not open to those students who may have previously studied the language; such students must begin with 102.)

RUSSIAN 201-202. (3-3)

Jagasich

INTERMEDIATE RUSSIAN. Advanced grammar to be taught while translating more difficult reading material coupled with advanced conversation. Vocabulary building and active participation are encouraged. Basic composition skills are taught. Songs and poetry used to introduce students to Russian culture and art. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: On sufficient demand.

SPANISH

SPANISH 101-102. (3-3)

Staff

INTRODUCTION TO SPANISH. The elements of grammar, composition, and pronunciation. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester. (101 is not open to those students who may have previously studied the language; such students must begin with 102.)

SPANISH 201-202. (3-3)

Staff

INTERMEDIATE SPANISH. A review of grammar will be covered. Oral practice based on readings from Spanish and Spanish-American writers will be emphasized. Laboratory. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: 201 in the Fall semester; 202 in the Spring semester.

SPANISH 301-302. (3-3)

Whitted

NINETEENTH AND TWENTIETH CENTURY LITERATURE. A survey course of Spanish literature from the beginning to the present with emphasis on the Nineteenth and Twentieth Centuries. There will be outside readings. Prerequisites: Spanish 201-202, or its equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester.

SPANISH 303-304. (3-3)

Silveira

SPANISH-AMERICAN CIVILIZATION. A survey of the history and culture of Spanish America. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 303 in the Fall semester of even years; 304 in the Spring semester of odd years.

SPANISH 305-306. (3-3)

Whitted

SPANISH CIVILIZATION. A survey of the history and culture of Spain. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 305 in the Fall semester of odd years; 306 in the Spring semester of even years.

SPANISH 307-308. (3-3)

Silveira

ADVANCED SPANISH CONVERSATION AND COMPOSITION. Intensive practice in oral and written usage. Vocabulary-building and participation encouraged. Prerequisites: 201-202 or approval of professor. Offered: 307 in the Fall semester; 308 in the Spring semester.

SPANISH 401-402. (3-3)

Silveira or Whitted

SPANISH-AMERICAN LITERATURE. The study of Spanish-American literature and civilization from the colonial period to the present day. A part of the course will be devoted to advanced grammar and conversation. Alternates with Spanish 403-404. Prerequisites: Spanish 301-302. Offered: 401 in the Fall semester of odd years; 402 in the Spring semester of even years.

SPANISH 403-404. (3-3)

Silveira or Whitted

SPANISH LITERATURE BEFORE 1700. This course will survey the development of Spanish literature from its beginning to the eighteenth century. However, most of the work in class will be limited to the study of the Spanish Epic, the Picaresque Novel, Cervantes, and the Siglo de Oro drama. Outside readings will be required. Prerequisite: Spanish 301-302. Offered: 403 in the Fall semester of even years; 404 in the Spring semester of odd years.

SPANISH 407. (3)

Silveira

GOLDEN AGE NOVEL. Prose writers of the Spanish Golden Age with emphasis on Cervantes. Prerequisite: 301-302. Offered: Fall semester of odd years.

SPANISH 408. (3)

Silveira

GOLDEN AGE DRAMA. A study of the Spanish National Theater. Special attention to the works of Lope de Vega and Calderon. Prerequisite: 301-302. Offered: Spring semester of even years.

PHILOSOPHY

ASSOCIATE PROFESSORS IVERSON, SCHRAG

The requirements for a major in Philosophy are Philosophy 201, 301-302, 303, 308, and an additional 12 hours in Philosophy courses. A joint program in Philosophy and another department should have the approval of the chairmen of both departments.

PHILOSOPHY 201. (3)

Iverson

LOGIC. An introduction to the fundamentals of correct reasoning which includes a study of informal fallacies, the traditional syllogism, and symbolic logic. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 202. (3)

Schrag

PROBLEMS OF PHILOSOPHY. An introduction to philosophical thinking and argument by consideration of some specific philosophical problems such as free will, the existence of God, the independence of minds and brains, the nature of empirical knowledge and the claims of ethical relativism. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 301-302. (3-3)

*301-Iverson;**302-Schrag*

HISTORY OF PHILOSOPHY. A study of the major thinkers of Western thought from the Greeks to the nineteenth century, with attention given to their cultural context. First semester: Classical and Medieval; Second semester: Modern. Prerequisite: None; not open to freshmen. Offered: 302 in the Spring semester.

PHILOSOPHY 303. (3)

Schrag

CONTEMPORARY PHILOSOPHY. PRAGMATISM AND THE ANALYTIC TRADITION. A survey of the major 20th Century American and British philosophers. Prerequisite: Philosophy 302. Offered: Fall semester of even years.

PHILOSOPHY 304. (3)

Schrag

ETHICS. A consideration of moral justification and the principal ethical theories and their application to some specific moral problems such as drug use, sexual morality, abortion, discrimination, violence, and business ethics (problems will vary with the semester). Prerequisite: None; not open to freshmen. Offered: Spring semester.

PHILOSOPHY 306. (3)

Schrag

SOCIAL PHILOSOPHY. An examination of the criteria for formulating and evaluating social institutions and policies; analysis of central concepts such as rights, property, justice, equality and the public good; social problems such as enforcement of morals, distribution of wealth, values of a business society. Prerequisite:

Philosophy 304 strongly recommended. Offered: Fall semester of odd years.

PHILOSOPHY 307. (3)

Iverson

PHILOSOPHY OF RELIGION. A study of the major issues and men in contemporary reflection on religion. Prerequisite: 3 hours in Philosophy or Religion courses. Offered: Fall semester of even years.

PHILOSOPHY 308. (3)

Iverson

CONTEMPORARY PHILOSOPHY: EXISTENTIALISM AND PHENOMENOLOGY. A survey of the major Continental philosophers. Prerequisite: 3 hours in Philosophy. Offered: Spring semester of even years.

PHILOSOPHY 310. (3)

Schrag

ETHICS OF HEALTH CARE. This course will deal with certain normative ethical and social issues in health care. The course will involve the application of philosophical analysis and value theory to issues of public policy such as the allocation of medical resources and the nature of health care delivery systems and also to specific ethical issues such as human experimentation, behavior-control, abortion and euthanasia. Prerequisite: Philosophy 202 or 304. Offered: Fall semester of odd years.

PHILOSOPHY 312. (3)

Staff

PHILOSOPHY OF SCIENCE. A consideration of the aims, methods and limits of science: including the relationship of empirical data to laws, models, theories, and explanation; the place of ethical considerations in the practice of science; and the use/abuse of scientific evidence in policy decisions. Prerequisite: Philosophy 201 or 202 and at least two laboratory courses in Natural Science. Offered: On sufficient demand.

PHILOSOPHY 380. (3)

Iverson

MARX AND MARXIST HUMANISM. A survey of some of the basic developments in the philosophical and humanistic ideas in the Marxist tradition. Prerequisite: 3 hours in Philosophy or Political Science. Offered: Spring semester of odd years.

PHYSICS

PROFESSORS JOYNER*, MAYO; ASSOCIATE PROFESSORS BEARD, KIESS

The requirements for a major in physics are a minimum of 33 hours in physics, including Physics 215, 216, 261, 262, 351, 352, and at least three additional courses in physics at the 200 or 300 levels. Mathematics 101-102 is also required.

Students who desire a rigorous mathematical treatment of the fundamentals of physics and who plan

graduate work in physics should take Physics 201, 202, 301, 302, 303, 304, 351, 352, 401, 402.

Students who plan to teach or to pursue careers in business or industry involving applications of physical principles should take 103, 104, 211, 213, 215, 216, 261, 262, 304.

PHYSICS 103-104. (0-6)

Beard

BASIC ELECTRICITY AND ELECTRONICS. The first semester covers basic principles of electrical circuits, simple transistorized amplifiers and control circuits, and basic applications of integrated circuits. The second semester covers digital electronics, and an introduction to microcomputer circuitry. The level of the course is appropriate for both the non-science major and the science major. Prerequisite: Consent of instructor. Corequisite: Physics 143-144. Offered: 103 in the Fall semester; 104 in the Spring semester.

PHYSICS 108. (4)

Kiess

METEOROLOGY. An elementary introduction to meteorology, to include properties of the atmosphere and their effects on weather. Measurement of atmospheric properties, weather maps, and weather forecasting will be emphasized. Prerequisite: None. Offered: Fall semester.

PHYSICS 110. (3)

Joyner

ENERGY AND POWER. A survey of present global energy sources and future possibilities, with qualitative economic analysis. The exploration of novel methods of generating power will be emphasized. Prerequisite: None. Corequisite: Physics 150. Offered: Fall semester. Not offered 1980.

PHYSICS 111-112. (3-3)

Joyner, Kiess, Mayo

GENERAL PHYSICS. A survey of classical and modern physics. Elementary calculus is used. A student who is enrolled in Physics 111 must have taken Math 101 or must be taking it concurrently. This sequence of courses is recommended for science majors and students who plan to apply to medical school. Prerequisite: None. Corequisite: Physics 151-152. Offered: 111 in the Fall semester; 112 in the Spring semester.

PHYSICS 115. (3)

Mayo

THE DESCRIPTION AND EXPLANATION OF MOTION. An historical study of the development of the modern understanding of both wave and particle motion beginning with the earliest attempts to describe and explain the motion of celestial objects. Time will be spent considering the nature of the assumptions made and the methods used, as well as the nature of the results obtained, during this development. Prerequisite: Proficiency with simple algebra and plane geometry. Corequisite: Physics 155. Offered: Fall semester.

*On leave 1980-81

PHYSICS 116. (3) *Mayo*
MODERN ASTRONOMY. An examination of topics selected from modern astronomy. Most selections will deal with objects located outside the solar system. Prerequisite: Proficiency with simple algebra and geometry. Corequisite: Physics 156. Offered: Spring semester.

PHYSICS 120. (3) *Beard*
PHYSICS OF MUSIC, MUSICAL INSTRUMENTS, AND HEARING. A study of the physical principles underlying the production of sound and music and of various analytical techniques and models used by investigators in this area. There is emphasis upon the concept of harmonic analysis in particular. Both the computer and the synthesizer are used where appropriate. Recitations are oriented strongly toward demonstrations and discussion. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring semester.

PHYSICS 121-122. (1-1) *Staff*
PROBLEMS IN GENERAL PHYSICS. Extended problem solving using calculus. Intended for students majoring in mathematics or science. Prerequisite: None. Offered: 121 in the Fall semester; 122 in the Spring semester.

PHYSICS 143. (1) *Beard*
LABORATORY. Accompaniment for Physics 103. Prerequisite: None. Corequisite: Physics 103. Offered: Fall semester.

PHYSICS 144. (1) *Beard*
LABORATORY. Accompaniment for Physics 104. Prerequisite: None. Corequisite: Physics 104. Offered: Spring semester.

PHYSICS 150. (1) *Joyner*
LABORATORY. Accompaniment for Physics 110. Prerequisite: None. Corequisite: Physics 110. Offered: Fall semester. Not offered 1980.

PHYSICS 151-152. (1-1) *Kiess*
GENERAL PHYSICS LABORATORY. An experimental examination of a variety of physical phenomena, along with an introduction to laboratory techniques and procedure. Prerequisite: None. Corequisite: Physics 111-112. Offered: 151 in the Fall semester; 152 in the Spring semester.

PHYSICS 155. (1) *Mayo*
MOTION LABORATORY. Exercises designed to give first-hand experience with the mode of investigation and the questions under investigation at each stage in the developing understanding of motion. Emphasis is placed on the modern concern with obtaining accurate

quantitative information of known precision. Corequisite: Physics 115. Offered: Fall semester.

PHYSICS 156. (1) *Mayo*
ASTRONOMY LABORATORY. Includes exercises requiring the identification of stars and constellations as well as the observation of astronomical objects with a telescope. Corequisite: Physics 116. Offered: Spring semester.

PHYSICS 201. (3) *Kiess*
MECHANICS. Particle dynamics is treated with particular emphasis on harmonic motion, motion in a central force field, and the two body problem. Prerequisite: Physics 111. Offered: Fall semester.

PHYSICS 202. (3) *Staff*
ELECTRICITY AND MAGNETISM. A study of electrostatics, electrodynamics, dielectrics, magnetism; concluding with Maxwell's equations. Prerequisite: Physics 112 and 201. Offered: Spring semester.

PHYSICS 211. (3) *Beard*
COMPUTER-BASED PHYSICS. A topical study of several physical systems, with emphasis upon orbits, trajectories, wave motion and sound. Graphical presentation of results is emphasized. Three recitations per week; individual work substituted as required. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring semester.

PHYSICS 215-216. (2-2) *Joyner*
PRINCIPLES OF ELECTRONIC INSTRUMENTATION. A study of the basic principles of operation of electronic instruments. Particular attention is devoted to medical applications where appropriate. Prerequisite: None. Corequisite: Physics 261-262. Offered: Fall and Spring semesters. Not offered 1980-81.

PHYSICS 213. (3) *Joyner*
RADIATION PHYSICS. A study of nuclear physics, radioactivity, tracer techniques, medical and biological effects of radiation, and radiation instrumentation. Two lectures and one morning lab. Prerequisite: None. Offered: On demand. Not offered 1980-81.

PHYSICS 261-262. (1-1) *Joyner*
BASIC ELECTRONICS LABORATORY. Accompaniment for Physics 215-216. Prerequisite: None. Corequisite: Physics 215-216. Offered: Spring semester. Not offered 1980-81.

PHYSICS 301-302. (3-3) *Mayo*
MODERN PHYSICS. The physical foundations for the quantum theory are studied. Schroedinger's equation is introduced and used to analyze elementary aspects of the atomic nucleus and the solid state. Prerequisite:

Mathematics 201-202; Physics 201-202. Offered: 301 in the Fall semester of odd years; 302 in the Spring semester of even years.

PHYSICS 303. (3) *Kiess*
THERMODYNAMICS AND STATISTICAL PHYSICS. An introduction to kinetic theory and thermodynamics, with a brief survey of statistical mechanics. Prerequisite: None. Offered: Fall semester.

PHYSICS 304. (3) *Kiess*
WAVE PROPERTIES AND OPTICS. Geometrical and physical optics. Prerequisite: None. Offered: Spring semester.

PHYSICS 351-352. (2-2) *Staff*
ADVANCED LABORATORY. A laboratory course designed to acquaint the student with the instruments used in basic physical measurements and with the design of experiments. Prerequisite: None. Offered: 351 in the Fall semester; 352 in the Spring semester.

PHYSICS 401-402. (3-3) *Mayo*
THEORETICAL PHYSICS. Selected topics investigated in depth using sophisticated mathematical techniques; mostly advanced mechanics and electromagnetic field theory. Prerequisite: Physics 201-202 and consent of instructor; Mathematics 201-202. Offered: 401 in the Fall semester of even years; 402 in the Spring semester of odd years.

POLITICAL SCIENCE

PROFESSOR HUBARD; ASSOCIATE PROFESSOR GOLDBERG; ASSISTANT PROFESSORS ADAMS, MARION

The requirements for a major in Political Science are as follows:

A minimum of thirty semester hours in Political Science, eighteen to include Political Science 101, 200, 205, 410, 430, and either 310, 311, or 312. Majors in political science are encouraged to take at least six hours of American or European history as well as course work in economics and philosophy. Majors will consult with their departmental advisor on recommendations for their course of study.

Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Students who declare a major in political science in the Spring, 1980, or thereafter, are governed by the new major requirements while majors who entered the department prior to this date may elect to be governed by either the preceding or the new departmental requirements.

POLITICAL SCIENCE 101. (3) *Goldberg, Marion*
THE AMERICAN SYSTEM OF GOVERNMENT. This is a study of the theory and practice of national government in the United States. The constitutional basis of the federal system, the protection of civil liberties and citizenship, and the role of the people in politics are studied with frequent references to leading Supreme Court decisions and other primary sources. Prerequisite: None. Offered: Fall and Spring semesters.

POLITICAL SCIENCE 102. (3) *Marion*
PERENNIAL ISSUES AND PROBLEMS OF THE AMERICAN REGIME. This course examines the enduring problems and issues which reflect and illuminate the distinctive character of the American regime. Among the central topics to be considered are the principles of freedom and equality, federalism, ethics and American politics, representation and the effects of the commercial spirit on the regime. No prerequisites. Offered: Spring semester.

POLITICAL SCIENCE 200. (3) *Adams*
INTRODUCTION TO COMPARATIVE GOVERNMENT. This course will examine and compare modern regimes: liberal democratic regimes, totalitarian regimes of the left and right, and developing nations. The defining characteristics of the political institutions, processes, and ideas of each will be compared. Particular attention will be given to comparison as a method of political inquiry. Prerequisite: Political Science 101 or permission of instructor. Offered: Spring semester.

POLITICAL SCIENCE 205-206. (3-3) *Adams*
INTERNATIONAL RELATIONS. A consideration of the relations among sovereign political communities. In the first semester, the perennial issues of war and peace, diplomacy, and economic relations are examined. The focus is primarily historical and theoretical. The second semester concentrates on the contemporary international system and its major problems. Prerequisite for 206 is Political Science 205 or permission of instructor.

POLITICAL SCIENCE 310. (3) *Goldberg*
EARLY MODERN POLITICAL PHILOSOPHY. This course is an examination of Machiavelli, Hobbes, Locke, and Rousseau. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Spring semester of even years.

POLITICAL SCIENCE 311. (3) *Goldberg*
MODERN POLITICAL PHILOSOPHY. This course is an examination of political philosophy in the Modern period. Emphasis is placed on Burke, Hegel, Mill, Marx, and Nietzsche. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of even years.

POLITICAL SCIENCE 312. (3) *Goldberg*
AMERICAN POLITICAL THOUGHT. A survey of American political ideas and theories from the 17th century to the present, with special emphasis given to the Founding Period. Attention will be given to the writings of such thinkers as Thomas Jefferson, The Federalists, John Marshall, John C. Calhoun, Abraham Lincoln, Frederick Douglass, Oliver Wendell Holmes, Jr., Franklin Delano Roosevelt, and Felix Frankfurter. Prerequisite: None. Offered: Spring semester of odd years.

POLITICAL SCIENCE 320. (3) *Adams*
GOVERNMENT AND POLITICS OF WESTERN EUROPE. This is an examination of the political institutions and processes of Western Europe. Attention will focus on Great Britain, France, the Federal Republic of Germany, and Italy. The underlying theme of the course is the nature of liberal democracy. Prerequisite: Political Science 200 or permission of the instructor. Offered: Fall semester.

POLITICAL SCIENCE 321. (3) *Adams*
COMPARATIVE COMMUNIST SYSTEMS. This is an examination of the regimes which have developed from Marxist-Leninist thought. Attention will focus on the political institutions, political processes, and economic arrangements of the Soviet Union, the People's Republic of China, and Yugoslavia. Prerequisite: Political Science 200 or permission of the instructor. Offered: Spring semester of odd years.

POLITICAL SCIENCE 322. (3) *Adams*
POLITICS OF NONWESTERN COUNTRIES. The political institutions and processes of developing nations will be considered in the light of their socio-cultural background. Particular attention will be given to the problems of change and development in the political, social, and economic spheres. Comparisons will be made with liberal democratic and totalitarian nations. The course may stress one area, such as Southeast Asia or the Middle East, or draw examples from various regions at the discretion of the instructor. Prerequisite: Political Science 200 or permission of the instructor. Offered: Fall semester.

POLITICAL SCIENCE 330. (3) *Marion*
INTRODUCTION TO AMERICAN PUBLIC ADMINISTRATION. This course surveys selected themes pertaining to the principles and processes of American public administration. Topics that will be examined include the history of American public administration; the role of administrative officials in the formulation and execution of public policy; accountability and responsibility in the public sector; the politics of public budgeting; and, administrative discretion and the rule of law. In short, the objective of

this course is to introduce the student to the spirit and form of public administration in the American democratic republic. Offered: Fall semester.

POLITICAL SCIENCE 331. (3) *Marion*
PUBLIC POLICY. This course is an examination of the formulation and implementation of public policy. Attention will be given to the presuppositions underlying public policy formulation as well as the relationship of public policy to the fundamental principles of the regime. Various contemporary issues confronting the government will be used to illustrate how policy issues are framed, evaluated, and implemented. Prerequisite: Political Science 101. Offered: Spring semester.

POLITICAL SCIENCE 332. (3) *Goldberg*
THE PRESIDENCY. This is an examination of one of the most powerful offices in the world. Attention will be given to the creation of the American presidency; its historical development; its relations with the Legislature and Judiciary; and an evaluation of its compatibility with democracy. Prerequisite: Political Science 101. Offered: Fall semester.

POLITICAL SCIENCE 333. (3) *Goldberg*
THE AMERICAN LEGISLATURE. This is an examination of the American Congress. Attention will be given to the principles which informed its creation, such as representation and bicameralism, to the Legislature's relations with the other two branches of government, and to the contemporary workings of both houses of Congress. Prerequisite: Political Science 101. Offered: Spring semester.

POLITICAL SCIENCE 340. (3) *Adams*
AMERICAN FOREIGN POLICY. An analysis of the national interest, national objectives, and role of the United States in the international community. Included is a study of the decision-making process, the role of the Executive and Legislative branches in the formulation and implementation of foreign policy, and the diplomacy of the United States. Prerequisite: Political Science 101 or 205; or permission of instructor. Offered: Spring semester.

POLITICAL SCIENCE 410. (3) *Goldberg*
CLASSICAL POLITICAL PHILOSOPHY. This course is an examination of Plato and Aristotle and of the classical tradition of political philosophy up to the Middle Ages. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of odd years.

POLITICAL SCIENCE 430-431. (3-3) *Hubard, Marion*
AMERICAN CONSTITUTIONAL LAW. This course examines the meaning of the American Constitution and

its development through judicial interpretation. The first semester considers the nature of the judicial process, the extent of national power, and the place of the states in the federal system. The second semester examines civil rights and liberties as protected by the original Constitution, the Bill of Rights, and the Fourteenth Amendment. Prerequisite: Political Science 101. Offered: 430 in the Fall semester; 431 in the Spring semester.

POLITICAL SCIENCE 432-433. (3-3) *Hubard*
INTRODUCTORY SURVEY OF LAW. This course is designed to give students (1) an appreciation of the role of law in modern society, (2) an insight into the increasing role of government in the economy, and (3) an understanding of certain principles of law which underlie our free economy and serve as guides to business. Prerequisite: Political Science 101 or Economics 101. Offered: 432 in the Fall semester; 433 in the Spring semester.

POLITICAL SCIENCE 440. (3) *Adams*
INTERNATIONAL LAW AND ORGANIZATION. A study of the legal and organizational structure of the international system and of the processes and forms of international order. Prerequisite: Political Science 205 or permission of the instructor. Offered: On sufficient demand.

POLITICAL SCIENCE 441. (3) *Adams*
SEMINAR IN INTERNATIONAL RELATIONS. An intense examination of critical problems in international relations. Students will engage in a research project. Prerequisite: Political Science 205 or permission of instructor. Offered: Fall semester of even years.

PSYCHOLOGY

PROFESSORS ORTNER, SIMES; ASSOCIATE PROFESSOR DEWOLFE; INSTRUCTOR SEQUIN

A total of thirteen courses in Psychology is required for a major. These courses must include Human Behavior, Quantitative Methods, Experimental Psychology, History and Systems, and at least six additional courses at the 300 or 400 level. (Students may substitute a statistics course taught by the Mathematics department for Quantitative Methods.) Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Majors seeking admission to graduate study in Psychology are encouraged to take more than the required number of courses in Psychology and to choose their electives from Biology, Sociology, or Computer Science.

PSYCHOLOGY 201. (3) *Ortner, Simes, DeWolfe*
INTRODUCTION TO HUMAN BEHAVIOR. This

course focuses upon those aspects of human behavior which the well-educated citizen might find most directly relevant. Topics include the development, description, and measurement of the normal and abnormal human being, his functioning individually and in groups, and methods of modifying his behavior and attitudes. Prerequisite: None. Offered: Each semester.

PSYCHOLOGY 202. (3) *Ortner*
QUANTITATIVE METHODS. An introduction to statistics employed in Psychology and Sociology. Both descriptive and inferential techniques are discussed, including nonparametric tests of significance and simple correlation. Prerequisite: Psychology 201 or Sociology 201. Offered: Each semester.

PSYCHOLOGY 251. (1) *Ortner*
LABORATORY TO ACCOMPANY PSYCHOLOGY 202. Prerequisite: Psychology 201 or Sociology 201. Corequisite: Psychology 202.

PSYCHOLOGY 301. (4) *Sequin*
EXPERIMENTAL PSYCHOLOGY. The experimental method and its application to such psychological processes as sensation, perception, motivation, and learning. Emphasis will be given to theory formulation, experimental design, and research techniques. Corequisite: Psychology 351. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 302. (3) *Simes*
PSYCHOLOGICAL TESTS AND MEASUREMENTS. An overview of the technical problems involved in the construction and evaluation of measuring instruments, and a detailed examination of the more significant tests of ability and personality. Prerequisites: Psychology 201 and 202. Offered: Spring semester.

PSYCHOLOGY 304. (3) *DeWolfe*
PSYCHOLOGY OF PERSONALITY. Theoretical approaches and research relevant to the study of personality. Psychoanalytic, trait, field, self, learning, and existential approaches will be compared and evaluated. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 306. (3) *DeWolfe*
SOCIAL PSYCHOLOGY. The analysis of social motivation, attitude formation and change, group structure and processes, social conflict, and the psychological impact of the environment. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 308. (3) *Sequin*
PHYSIOLOGICAL PSYCHOLOGY. Survey of physiological aspects of behavior with special emphasis on the central nervous system. Also appropriate for

Biology or pre-medical majors with the consent of their department chairman. Prerequisites: Biology 103, Psychology 201. Offered: Spring semester.

PSYCHOLOGY 309. (3) *Ortner*
BEHAVIOR PATHOLOGY. Description of abnormal behavior; introduction to psychopathology. Prerequisites: Psychology 201 and 308. Offered: Spring semester.

PSYCHOLOGY 310. (3) *Simes*
PERSONNEL AND INDUSTRIAL PSYCHOLOGY. Application of psychological principles to problems in business and industry; personnel selection. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 311. (3) *Simes*
MANAGERIAL PSYCHOLOGY. Concepts of human behavior that are relevant to managerial problems; organizational theory. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 312. (3) *Ortner*
PSYCHOLOGY OF LEARNING. A study of different theories of learning with special emphasis upon experimental findings and application of learning theories to practical problems in human learning. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 314. (3) *DeWolfe*
DEVELOPMENTAL PSYCHOLOGY. Normal human development throughout life with special emphasis on childhood and adolescence. Prerequisite: Psychology 201. Offered: As needed.

PSYCHOLOGY 351. (1) *Sequin*
LABORATORY TO ACCOMPANY PSYCHOLOGY 301. Prerequisite: Psychology 201. Corequisite: Psychology 301. Offered: Fall term.

PSYCHOLOGY 403. (3) *DeWolfe*
HISTORY AND SYSTEMS OF PSYCHOLOGY. Structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, and other schools of psychology. Prerequisites: Psychology 201 and six courses at the 300 level; Psychology 304 and 312 are especially recommended. Offered: Fall semester.

PSYCHOLOGY 405. (3) *Simes*
INTRODUCTION TO COUNSELING. A survey of the major theories of counseling and psychotherapy. Prerequisites: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 409. (4) *DeWolfe*
INTRODUCTION TO CLINICAL PSYCHOLOGY. A study of clinical methods, treatment approaches, and problems; the clinician and research. Students spend one

afternoon a week working in a state hospital under supervision. Three lectures and one laboratory per week. Prerequisite: Psychology 309. Offered: Spring semester.

SOCIOLOGY 201. (3) *Ortner*
INTRODUCTORY SOCIOLOGY. Methods and objectives of sociological research, varying patterns of social organization, and the study of society and culture as related to individual and group behavior. Prerequisite: None. Offered: Each semester.

SOCIOLOGY 302. (3) *Ortner*
SOCIOLOGY OF DEVIANCE. The deviance approach to the problems of contemporary society. Prerequisite: Sociology 201. Offered: Each semester.

SOCIOLOGY 303. (3) *Ortner*
SOCIAL STRATIFICATION. The basic theories of social stratification are discussed with emphasis on the origin of stratification systems and on the consequences of stratification, especially the distribution and exercise of power and privilege in American society. Prerequisite: Sociology 201. Offered: Fall semester.

RELIGION

PROFESSORS NORMENT, REVELEY; ASSOCIATE PROFESSOR ROGERS

The requirements for a major in Religion are 30 hours in Religion courses. Of this total, a minimum of 3 hours must be in Old Testament and 9 hours in New Testament courses. 6 hours in Philosophy courses are also required. Philosophy 307, if elected in addition to the required 6 hours in Philosophy, may be substituted for 3 hours in Religion.

The requirements for a concentration in Religion and Philosophy are 18 hours in each department, specific courses and cognate courses to be chosen in consultation with the departments.

RELIGION 201. (3) *Staff*
INTRODUCTION TO THE OLD TESTAMENT. An introduction to the history and literature of the Old Testament. Open only to students with no prior credits in Old Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Fall semester.

RELIGION 202. (3) *Staff*
INTRODUCTION TO THE NEW TESTAMENT. An introductory survey of Christian origins and of the literature of the New Testament. Open only to students with no prior credits in New Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Spring semester.

RELIGION 205. (3) *Reveley*
INTRODUCTION TO WORLD RELIGIONS. An introduction to the origins, development, and current status of the major religions of the world. The course is designed to demonstrate the scope and diversity of religious traditions as well as to indicate the common questions that the various traditions address. Prerequisite: None. Offered: Fall or Spring semester.

RELIGION 285-86. (3-3) *Rogers*
TUTORIAL IN BIBLICAL HEBREW. Introduction to basic vocabulary and grammar of Biblical Hebrew. Emphasis on: (1) learning to read sentences in the Hebrew Old Testament; (2) acquiring a facility in using a Hebrew lexicon and in using the critical notes in the Hebrew text. Prerequisite: None. Offered on sufficient demand.

RELIGION 301. (3) *Rogers*
THE NATURE OF RELIGIOUS EXPERIENCE. In every age men and women have sought to understand the mystery of birth, the origin of good and evil, the uncertainty of suffering and death. This course is designed to investigate a variety of religious beliefs and customs to determine how peoples of every age have perceived reality at the deepest levels of their existence. In the process, a variety of critical methodologies will be utilized. Prerequisite: None, but a 200-level Religion course or Western Man 101-102 recommended. Offered: Fall semester of even years.

RELIGION 303. (3) *Rogers*
JUDAISM AS A LIVING TRADITION. Jewish history and religion, institutions and observances, customs and lore from the Biblical period to the present. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 304. (3) *Reveley*
RELIGIONS OF THE MIDDLE EAST. A tracing of the cultural and religious history of the Middle East with particular attention to two features: (1) the emergence of Zoroastrianism and its influence upon postexilic Judaism, and (2) the rise and development of Islam from the seventh century to modern times. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 305. (3) *Reveley*
RELIGIONS OF INDIA. A study of the religions of India and of the historical and cultural context in which they developed. Prerequisite: None. Offered: Spring semester of even years.

RELIGION 306. (3) *Reveley*
RELIGIONS OF EAST ASIA. A study of Taoism, Confucianism, Shintoism, and Buddhism in the context of the history and culture of East Asia. Prerequisite: None. Offered: Fall semester of odd years.

RELIGION 307. (3) *Norment*
RELIGION IN AMERICA. A study of the role of religion in the development of American culture, with particular attention to distinctive Christian groups and to significant trends in American Christian thought. Prerequisite: None. Offered: Spring semester.

RELIGION 308. (3) *Norment*
CONTEMPORARY CHRISTIAN THEOLOGY. A study of major developments and the writings of significant leaders, European and American, in 20th century Christian thought, with particular attention to current trends. Prerequisite: Religion 202, or permission of the instructor. Offered: Spring semester of odd years.

RELIGION 309. (3) *Reveley or Norment*
CHRISTIAN ETHICS. A study of significant traditional and contemporary emphases in Christian ethical theory, and the application of Christian ethical analysis to selected moral and social issues. Prerequisite: None, but Religion 202 recommended. Offered: Fall semester.

RELIGION 310. (3) *Rogers*
THE HEBREW PROPHETS. An investigation of the rise and development of the prophetic movement in Israel, with particular emphasis upon the relevance of the prophets for their own and later times. Prerequisite: Religion 201, Western Man 101, or permission of the instructor. Offered: Spring semester of even years.

RELIGION 311. (3) *Rogers*
EARLY CHRISTIANITY. A consideration of the religious and historical milieu in which the early Christian Church arose. The major questions posed will be "why" and "how" the Christian community survived and grew. A primary focal point will be the letters of Paul, with particular emphasis on his contribution to the early Church. Prerequisite: None, but Religion 202 or Western Man 101 recommended. Offered: Spring semester of odd years.

RELIGION 312. (3) *Norment*
THEOLOGY OF PAUL. A study of principal theological and ethical ideas and issues in the letters of Paul, undertaken from the perspectives of Biblical and historical theology rather than from those of literary or biographical analysis. Some consideration will be given to the interpreters of Paul — his influence on subsequent theologians such as Martin Luther, Karl Barth, and Reinhold Niebuhr. Prerequisite: Either Religion 202; Religion 311, or permission of the instructor. Offered: Fall semester of even years.

RELIGION 313. (3) *Rogers*
JESUS IN THE SYNOPTIC TRADITION. An evaluation of the person and work of Jesus as portrayed in Matthew, Mark and Luke. Prerequisite: Religion 202,

Western Man 101, or permission of the instructor.
Offered: Fall semester of odd years.

RELIGION 314. (3) *Norment*
THE JOHANNINE LITERATURE. A study of the five New Testament books traditionally associated with "John" — the Gospel of John, the Epistles of John, the Apocalypse (Revelation) of John. Prerequisite: Religion 202, Western Man 101, or permission of the instructor. Offered: Fall semester of odd years.

RELIGION 315. (3) *Rogers*
BIBLICAL ARCHAEOLOGY AND BIBLICAL HISTORY. History and methodology of Near Eastern excavations, including a concentrated study of several Biblical sites. Analysis of the contributions of archaeological research to a more accurate understanding of the history and everyday life of the Biblical period (Old and New Testament times) within the broader context of the history of the ancient Near Eastern and Mediterranean worlds. Prerequisite: None, but Religion 201 or Religion 202 recommended. Offered: Fall semester of odd years.

RELIGION 406. (3) *Norment*
CONTEMPORARY ISSUES IN CHRISTIAN ETHICS. Intensive study of selected issues, both theoretical and practical, in the field of Christian ethics; a seminar course. Prerequisite: Either Religion 309 or Philosophy 304, or permission of the instructor. Open only to juniors and seniors. Offered: Spring short term on sufficient demand.

RELIGION 407. (3) *Norment*
RELIGION AND DEATH. A study of the perception and management of death in various religious traditions, with particular reference to New Testament conceptions and the perspectives of contemporary theologians; consideration of certain ethical issues associated with death and dying. Prerequisite: Either Religion 201 or 202, or any Religion course from 301 to 306, or permission of the instructor. Offered: Intermittently, either semester; or Spring short term on sufficient demand.

RELIGION 408. (3) *Rogers*
THEOLOGY AND LITERATURE. A consideration of the usage of specific Biblical and/or religious themes or motifs in contemporary literature. The emphasis will be on discerning what principles of interpretation are used in giving contemporary expression to specific themes. The specific themes considered vary. Prerequisite: Religion 202, Religion 301, or permission of the instructor. Offered: Fall semester of even years.

RELIGION 475. (3) *Staff*
SEMINAR IN CONTEMPORARY THEOLOGICAL ISSUES. Intensive study of selected issues in the fields of contemporary and/or Biblical theology. Limited enrollment. Open to juniors and seniors (sophomores by permission of the instructor). Prerequisite: Religion 202, Religion 308, or permission of instructor. Offered: Intermittently, either semester.

RHETORIC

PROFESSORS CRAWLEY, NORMENT, SIMPSON; ASSOCIATE PROFESSORS BAGBY, BRINKLEY, MARTIN, TUCKER; ASSISTANT PROFESSORS ARIETI, SAUNDERS; VISITING ASSISTANT PROFESSOR BROADHEAD; INSTRUCTOR TAYLOR; LECTURERS O'GRADY, POTEET*

RHETORIC 101. (3) *Staff*
The course involves a study of the basic mechanics of effective writing—from basic sentence patterns through paragraph development to the preparation of an effective paper. Particular attention will be paid to the specific problems of students, including training in critical editing of the work of fellow students. Prerequisite: None. Offered: Each semester.

RHETORIC 102. (3) *Staff*
The course involves the study and composition of the essay, with special attention to stylistic clarity, vocabulary building, research techniques and oral presentation. Required of all students. Prerequisite: Rhetoric 101 or exemption from Rhetoric 101. Offered: Each semester.

WESTERN MAN

PROFESSORS NORMENT, REVELEY; ASSOCIATE PROFESSORS BRINKLEY, FITCH, IVERSON, ROGERS; ASSISTANT PROFESSOR ARIETI

The Western Man program consists of courses which bridge traditional departmental divisions and which deal with issues and with areas of knowledge of general human concern. The staff is composed of members of various Humanities and Social Sciences departments.

**On leave 1980-81*

WESTERN MAN 101-102. (3-3)

Staff

Western Man 101-102 is an introductory humanities course in which major thinkers and issues of the Western cultural heritage are studied. It deals with the civilization of ancient Greece and Rome, the Biblical tradition, the European Middle Ages, and the age of the Renaissance and the Protestant Reformation. Attention is given to history, philosophy, religion, literature, the arts, and political and economic thought. Classwork consists of lecture sessions, in which all participants meet together, and discussion sections, for which small groups meet with faculty leaders. (History 101-102 is a natural sequel to this course.) Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

WESTERN MAN 380. (3)

Laine

THE INFLUENCE OF NATIONALISM IN EUROPEAN MUSIC OF THE NINETEENTH CENTURY. Through the examination of the life and works of such composers as Verdi, Wagner, Tschaikovsky, and Smetana, it is possible to study the influence of the idea of nationalism on significant composers, and, consequently, the impact of their music on the nationalistic and revolutionary movements within their respective countries and throughout Europe. This course may be counted either as History or as Western Man in satisfying the distribution requirement for graduation. Prerequisite: None. Offered: Spring short term.

MATTERS OF RECORD

DEGREES AND OTHER HONORS

Commencement May 11, 1980

HONORARY DEGREES

Doctor of Divinity

Roy Jackson Sadler

Doctor of Laws

Sydney Douglas Fleet

Doctor of Letters

William Styron

BACHELOR OF ARTS

James Moffatt Alexander III Fairfax, Virginia
 Phillip Verne Anderson Chatham, Virginia
 Alan Paul Atha Mission Hills, Kansas
 Jonathan Garland Atkinson Richmond, Virginia
 Philip Bruce Baker Franklin, Virginia
 Ray Curtis Barnhill Hampton, Virginia
 Herbert Harvell Bateman, Jr. Newport News, Virginia
 Ronald Batliner, Jr. Virginia Beach, Virginia
 Kevin Lee Beale Richmond, Virginia
 Morris Bryan Beecroft III Newport News, Virginia
 Marcellus James Best, Jr. Goldsboro, North Carolina
 Edward Scott Boze III Richmond, Virginia
 Joseph Pendleton Bradner Midlothian, Virginia
 Roland Theodore Brierre III Richmond, Virginia
 Patrick David Brilliant Chesapeake, Virginia
 William Denis Brown IV Monroe, Louisiana
 George Conway Buchanan Bristol, Tennessee
 Frank Tucker Burge Birmingham, Alabama
 John Duke Burke Richmond, Virginia
 Herbert Joseph Butler, Jr. Charleston, South Carolina
 Brian Mitchell Cann Richmond, Virginia
 Richard Everett Cash Lynchburg, Virginia
 Stephen Joseph Coffield Richmond, Virginia
 Donald Ray Crouch Bedford, Virginia
 David Miller Crow Salem, Virginia
 William Dunlap Darden Salt Lake City, Utah
 Charles Miller Dietz, Jr. Richmond, Virginia
 Ralph Wesley Dodd Cape Charles, Virginia
 Randolph Lee Duffer III Keysville, Virginia
 William Henry Edwards, Jr. Montross, Virginia
 James Michael Face Richmond, Virginia

John Joseph Fararo, Jr. Hightstown, New Jersey
 Fitz-hugh Conway Ficklen Wilmington, North Carolina
 William Trent Fox, Jr. Capron, Virginia
 Robert Ford Francis Charleston, West Virginia
 Drew Robinson Fuller, Jr. Atlanta, Georgia
 Thomas Arthur Garner Lynchburg, Virginia
 Frank Blackwell Godbold III South Boston, Virginia
 Thomas Paul Gray, Jr. Baltimore, Maryland
 William Edward Hardy Richmond, Virginia
 Ransom Bryant Hare IV Forest, Virginia
 Stewart Robertson Hargrove Beaverdam, Virginia
 David Wayne Harris Glen Allen, Virginia
 James Selden Harris, Jr. Blackstone, Virginia
 Robert Charles Powell Harris South Boston, Virginia
 David Roberts Haugh Charlottesville, Virginia
 Walter Brown Holston III Lynchburg, Virginia
 Leigh Preston Huff, Jr. Roanoke, Virginia
 William Vance Hull Norfolk, Virginia
 Albert Monroe Hunt, Jr. Springfield, Virginia
 James Drewry Jervey Franklin, Virginia
 David King Johnston Pearisburg, Virginia
 John Matthew Kasun Fairfax, Virginia
 Robert Franklin Keefer Lynchburg, Virginia
 Timothy E. Keena Fairfax, Virginia
 Trent Sydnor Kerns Richmond, Virginia
 Wade Howard Osborne Kirby Claremont, Virginia
 William Chalmers Leach Leesburg, Virginia
 Christopher Shepherd Long Richmond, Virginia
 Timothy Scott Maxa Charlottesville, Virginia
 Douglas Carleton McElwee Charleston, West Virginia
 John Aldous Mell Asheville, North Carolina
 Charles Ferrell Moore III Norfolk, Virginia
 Neil Edmund Nappo Falls Church, Virginia
 William Willard Newell Danville, Virginia
 Joseph Fendall Outten, Jr. Greenville, South Carolina
 John Gregory Overton Richmond, Virginia
 Edward Owens South Boston, Virginia
 William James Pantele Richmond, Virginia
 Mark Whitehead Patterson Lynchburg, Virginia
 Dennis Christopher Poehler Richmond, Virginia
 George Robert Preas, Jr. Roanoke, Virginia
 James Ronald Richards Lynchburg, Virginia
 Robert Rutherford Rosebro Richmond, Virginia
 Mitchell Dahl Shaner Lexington, Virginia
 Stanley Marc Sherrod Sanford, North Carolina
 Andrew Rucker Shipp Bedford, Virginia
 Stewart Marshall Sigler Lynchburg, Virginia
 Daniel Martin Slack Hickory, North Carolina
 Timothy Andrew Smith Roanoke, Virginia
 James Callen Sparrow Birmingham, Alabama
 John Randolph Stokes Norfolk, Virginia
 Robert Baird Taylor Lynchburg, Virginia
 John Carr Terry Peterstown, West Virginia

Michael Frederick Ackermann	Ludwigshafen, West Germany
James Edward Adams	Brookneal, Virginia
Jeffrey Alexander Alloway	Cincinnati, Ohio
James Vincent Babashak II	Falls Church, Virginia
David Ernest Barrs	Newport News, Virginia
David William Burgess	Sedley, Virginia
Dewey Wayne Claybrook	Brookneal, Virginia
Robert Young Cox	South Boston, Virginia
William Andrew Dickinson III	Virginia Beach, Virginia
Lucian Archambault Durham III	Roanoke, Virginia
Ronald Luis Fischer, Jr.	Chester, Virginia
Barton Lee Floyd	Prince George, Virginia

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TROPHIES AND AWARDS PRESENTED AT GRADUATION

THE GAMMON CUP

Given in memory of Dr. Edgar G. Gammon, pastor of College Church 1917-1923 and President of the College 1939-1955, to the member of the graduating class who has best served the College. Character, scholarship, and athletic ability are considered.

1980 Recipient: Timothy Scott Maxa '80

THE ALGERNON SYDNEY SULLIVAN MEDALLIONS

Given annually in honor of its first president, Algernon Sydney Sullivan, by the New York Southern Society. One recipient of this award is a member of the graduating class who has distinguished himself for excellence of character and generous service to his fellows. The other recipients are chosen from those friends of the College who have been conspicuously helpful to and associated with the institution in its effort to encourage and preserve a high standard of morals.

1980 Recipients: Stanley Marc Sherrod '80
Ms. Virginia I. Rodes
Mr. and Mrs. John H. Waters III

ANNA CARRINGTON HARRISON AWARD

Given annually, in memory of his mother, through the generosity of Mr. Fred N. Harrison of Richmond, Virginia, to the junior or senior who has shown the most constructive leadership in each school year.

1980 Recipients: Waring Tribble, Jr. '80
William Vance Hull '80

CABELL AWARD

Given to "a Hampden-Sydney faculty member in recognition of outstanding classroom contribution to the education of Christian young men." The Cabell award was created by the Robert G. Cabell III and Maude Morgan Cabell Foundation to assist the College in attracting and keeping professors of high ability and integrity.

1980 Recipient: Dr. Lawrence Henry Martin, Jr.

PHI BETA KAPPA

Phillip Verne Anderson '80
Charles Miller Dietz, Jr. '80
Ronald Luis Fischer '80
William Chalmers Leach '80
Timothy Scott Maxa '80
Mark Menelaos John Morris '80
William James Pantele '80
Douglas Sumpter Price, Jr. '80
Stanley Marc Sherrod '80
Russell Glenn Tindall '80
Michael Alexander Thornton, Jr. '80
Edward Gordon Whealton, Jr. '80
Mark Edwin Yates '80

OMICRON DELTA KAPPA

Ronald Batliner, Jr. '80
Robert Ford Francis '80
Billy Louis Greer '81
Douglas Reed Lawler II '81
William Chalmers Leach '80
Robert Kevin Mahoney '81
Timothy Scott Maxa '80
Mark Menelaos John Morris '80
William James Pantele '80
Stanley Marc Sherrod '80
Russell Glenn Tindall '80
Waring Tribble, Jr. '80

MERIT SCHOLARS

1980-81

ALLAN SCHOLARS

Victor Ricardo Alpizar
Sutton Pelot Baldwin
Keith Forrester Batts
Jonathan Paul Blasius
Douglas Scott Denham
Sam Daniel Eggleston III
Alan Fletcher Garrison
Wayne Roger Gladin
Billy Louis Greer
Sean David Gregg
Lance Arlington Jackson
Kenneth Litton Kilgour
Richard Allen Lanham, Jr.
Douglas Reed Lawler, Jr.
Robert Kevin Mahoney
Charles Franklin Martin
Robert Allen Matern
Kevin Anthony Norris
Charles Gordon Oakes
Raymond Douglas Parks
Nathaniel Kevin Pendley
Andrew Jesse Pollock
Thomas Jackson Robertson, Jr.
David Edward Ross
Rodney Powell Ruffin
Gary Stuart Salsbery
Daniel Bradley Schein
Joel Eric Sweet
Michael Joseph Vayvada

VENABLE SCHOLARS

Robert Lawrence Bailey
Michael Joseph Breiner
Gary Alan Butt
John Conway Callahan
Fred Leland Campbell III
Preston Paul Campbell
Theodore Phillips Chambers
Joseph John Coles
John Edward Crews
Gregory Alan Currie

John Curtis Dickinson
Stephen Daniel Farthing
David Harry Fletcher
James Graham Gamble
William Callison Green
David Neal Heaton
Robert Bradford Houska
David Fitzgerald Jones
Jonathan Lee Kyle
David Irving Lawless
Richard Preston Leggett
Kenton Lee Mackey
Denis Joseph McCarthy
Bryant Clark McGann
Charles Vincent McPhillips
Thomas Harlan Miller
Lewis Syester Saunders, Jr.
Vincent Roddy Scarborough
John Scott Thomas
Michael Clyde Tomkies
Joseph John Tretler, Jr.
Glenn Davenport Waters
David John West
Frank Taylor Wootton III

PATRICK HENRY SCHOLARS

William Paca Bishop
Mark Robert Cruise
Mark Allan Deaton
Timothy Martin Fitzpatrick
William Eugene Green, Jr.
Philip Edwards Harper
Dwight Richard Harris II
Edmond Anderson Hooker
John Carl Keesling
Timothy Gerard McGarry
Michael Amedeo Prizzi
Warren Arthur Quinn

Philip Ruffin Randolph
Theophilus Feild Russell
Arthur Harrison Sperry
Wallace Clements Tarry
Eric William Uhtenwoldt
Todd Arthur Weinert
Stuart Preston Wilbourne

MOOMAW SCHOLARS

Andrew Blanton
Arturo Ballada Ferrer
Kevin Loren Hubbard
Richard Edgar Kellam
William Martin Long II
Stephen Frederick Parsons
Thomas Alexander Robinson
Lawrence Rucker Snead III
James Christian Thompson, Jr.

STUDENT BODY 1979-80**FRESHMAN CLASS**

Ault, James Burwell	Memphis, Tennessee
Baecher, James Paul	Norfolk, Virginia
Barbour, William, Jr.	Crozet, Virginia
Batts, Keith Forrester	Farmville, Virginia
Baugh, Emerson Daniel III	Kenbridge, Virginia
Baumgartner, John Charles	Herndon, Virginia
Beard, Phillip Leon	Farmville, Virginia
Bell, James William III	Fayetteville, North Carolina
Bell, Rudolph Mardre	Staunton, Virginia
Bennett, Herbert Morton	Fayetteville, West Virginia
Best, Charles William III	Virginia Beach, Virginia
Billings, Charles Moore IV	Charlotte, North Carolina
Bishop, William Paca	Wilmington, Delaware
Boafo, Kwasi N.	Kumasi, Ghana
Bohrer, Jason Price	Alexandria, Virginia
Bonaventure, Robert Joseph	Hix Hills, New York
Borden, Frank Kennon, Jr.	Durham, North Carolina
Brailsford, Robert Edward	Spartanburg, South Carolina
Brainerd, Michael Edward	Chesapeake, Virginia
Breeden, Edward Lebbaeus IV	Norfolk, Virginia
Brooke, Richard III	Jacksonville, Florida
Bruni, Richard McNeill	Richmond, Virginia
Bryant, James Edward	Rockville, Maryland
Bryson, George Tarry III	Richmond, Virginia
Bunting, Steven Carlyle	Danville, Virginia
Burroughs, Thomas Chalmers	Raleigh, North Carolina
Bussells, Barbour Scott	Richmond, Virginia
Butt, Gary Alan	Annapolis, Maryland
Cabell, William Sheridan	Franklin, Virginia
Callis, Dwayne Nelsen	West Point, Virginia
Cameron, Edmund McCullough III	Kinston, North Carolina
Camp, Robert Hill	Franklin, Virginia
Campbell, Fred Leland III	Chesapeake, Virginia
Campbell, Preston Paul	Fredericksburg, Virginia
Carter, Glenn Spence	Richmond, Virginia
Chanachote, Krant	Front Royal, Virginia
Chellman, John Ledford	Arlington, Virginia
Clark, Pendelton Scott III	Lynchburg, Virginia
Clifton, Jeffrey Allen	Danville, Virginia
Cobb, Howard Perry III	Putnam Valley, New York
Colclough, Philip Andrew III	Alexandria, Virginia
Collins, David Athell	Charleston, South Carolina
Conte, Anthony Brian	Charlottesville, Virginia
Cook, Frederick Andrew III	Radford, Virginia
Cosby, Vance	Johnson City, Tennessee
Cowley, Kevin Craig	Stuyvesant, New York
Craddock, Claiborne Watkins	Lynchburg, Virginia
Craft, George Francis II	Roanoke, Virginia
Craig, Hunter Earle	Charlottesville, Virginia
Craighill, Charles Stillwell	Atlanta, Georgia
Crawford, William Charles	Virginia Beach, Virginia
Cullen, David Elliott, Jr.	Covington, Virginia
Culler, Baxter Clyde III	Martinsville, Virginia
Daly, Christopher Hume	Richmond, Virginia
Daniel, Walter Linwood, Jr.	Salem, Virginia
DeMaio, Mark Robert	Virginia Beach, Virginia
Dent, Anne Ford*	Wilmington, Delaware
Dickerson, Robert Claude	Hot Springs, Virginia
Dickinson, John Curtis	Fredericksburg, Virginia
Dietz, Wallace Moncure	Richmond, Virginia
Dill, Matthew Thompson	Jacksonville, North Carolina
Duffy, James	Lynchburg, Virginia
Dunbar, John Preston	Pickerton, Ohio
Dyer, Brian Stovall	Richmond, Virginia
Edmunds, Meade Castleton III	Clifton Forge, Virginia
Ellingson, David James	Burke, Virginia
Enroughy, Christopher James	Richmond, Virginia
Enroughy, William Wayne	Highland Springs, Virginia
Farina, Louis Donald, Jr.	Miller School, Virginia
Farmer, Alison Harper*	Richmond, Virginia
Farrand, Todd Stevens	Norfolk, Virginia
Ferrer, Arturo Ballada	Petersburg, Virginia
Flint, William Keley	Lynchburg, Virginia
French, William McLean	Gladwyne, Pennsylvania
Friedman, Charles Frederick III	Lexington, Virginia
Gardner, Roger Whitney	Orange, Virginia
Garrett, James Edward	Bena, Virginia
Geho, Franklin Young	Richmond, Virginia
Gentry, Robert Crabill	Virginia Beach, Virginia
Gholson, Paul Douglas, Jr.	Petersburg, Virginia
Gibbs, Wallace Duncan	Charlotte, North Carolina
Gillespie, William M. III	Tazewell, Virginia
Gladin, Wayne Roger	Virginia Beach, Virginia
Gleusner, George Francis	East Setauket, New York
Glover, Roger Arthur II	Abingdon, Virginia
Green, Edward Jackson, Jr.	Mobile, Alabama
Greene, Robert Tyree, Jr.	Halifax, Virginia
Grow, Eric Anthony	Richmond, Virginia
Guthrie, Timothy Bernard	Scottsburg, Virginia
Hall, Norris Edwin	Lexington, Virginia
Harris, Henry Hiter III	Richmond, Virginia
Harvey, Benjamin Robert, Jr.	Appomattox, Virginia
Hay, Henry Muhler III	Mount Pleasant, South Carolina
Hearst, William Beattie	Bristol, Virginia
Henking, Benjamin Kenneth Anyang	Cape Coast, Ghana
Hill, Charles Blake	Roanoke, Virginia
Hoblitzell, Peter Arrell Browne III	Owings Mill, Maryland
Holland, Gary Franklin	Midlothian, Virginia
Holland, Mark Thomas	Midlothian, Virginia
Holmes, Robert Houston II	Dallas, Texas
Holton, Duran Pardue	Clemmons, North Carolina
Hoover, Robert Ardley, Jr.	Chester Springs, Pennsylvania
Howell, James Sager	Suffolk, Virginia
Humphrey, Heidi Elizabeth Louise*	Charlottesville, Virginia
Hunt, Francis Watkins, Jr.	South Boston, Virginia
Hunt, John William, Jr.	Winston-Salem, North Carolina
Irby, Bruce Watson	West Chester, Pennsylvania
Jackson, Lance Arlington	Virginia Beach, Virginia
Jenkins, George William	Charleston, West Virginia
Johnson, Mark Allen	Roanoke, Virginia
Jones, Mark Turner	Virginia Beach, Virginia
Jones, Mark Waring	Virginia Beach, Virginia
Jordan, James McLauren, Jr.	Winston-Salem, North Carolina
Kamna, John Erik	Middletown, New Jersey
Kelly, Christopher Mark	Richmond, Virginia
Kemper, Albert Strayer IV	Lynchburg, Virginia
King, David Francis, Jr.	Fredericksburg, Virginia
Kinzie, Bernard Girard	Lynchburg, Virginia
Kroll, Jeffrey Allen	Norfolk, Virginia
Larus, Steven Reed	Midlothian, Virginia
Lee, Richard Burns	Charlotte, North Carolina
Levenson, Phillip Andrew	Oxford, North Carolina
Lovi, Armin J.	Westwood, New Jersey
Machiorlete, Robert Louis	Allentown, Pennsylvania
Mackey, Steven Tracy	Mechanicsville, Virginia
Mahan, Jeffrey Stewart	Norfolk, Virginia
Martin, Charles Franklin	Arlington, Virginia
Martin, Neil Thomas	Charlotte Court House, Virginia
Martin, William Joseph	Prospect, Virginia
Mayo, Ann Burgess	Hampden-Sydney, Virginia
McCammond, Donald Barr, Jr.	Richmond, Virginia
McCarthy, Denis Joseph	Sterling, Virginia
McGarry, Timothy Gerard	Roanoke, Virginia
Mickel, Thomas Tofic, Jr.	Richmond, Virginia

Miller, John Maurice Richmond, Virginia
 Moore, Alan Tingley Richmond, Virginia
 Moore, James Godwin, Jr. Williamsburg, Virginia
 Moran, Mark Lawrence Anderson, South Carolina
 Moseley, Ralph Carmichael III Birmingham, Alabama
 Nelsen, Louis Edward III Chester, Virginia
 Nelson, Paul Redfield III Newburyport, Massachusetts
 Newton, Richard Aaron, Jr. Atlanta, Georgia
 Nicholson, Joseph Albert, Jr. Richmond, Virginia
 Norman, Stephen Maurice Mechanicsville, Virginia
 Nottingham, James Maurice Richmond, Virginia
 Odom, Henry Hunter, Jr. Suffolk, Virginia
 Pace, Karl Christopher Jacksonville, North Carolina
 Patterson, Paul Clinton Richmond, Virginia
 Patterson, William Warren III Virginia Beach, Virginia
 Paxton, Kenneth Allen Covington, Virginia
 Peabody, Edward Stiles III Virginia Beach, Virginia
 Peery, Robert Briggs Suffolk, Virginia
 Pfeifer, Bradford Sage Manchester, New Hampshire
 Piechota, Joseph Mark Halifax, Virginia
 Porter, Jeffrey Wioliam Charlottesville, Virginia
 Pratt, Thomas Nathaniel Beaufort, South Carolina
 Prestia, John Vincent Severna Park, Maryland
 Raine, Arthur Woolford, Jr. Pocomoke City, Maryland
 Ramos, Luis Antonio Kenilworth, Illinois
 Rinaldi, Alexander Martin Yorktown, Virginia
 Rivas, Karl Thomas Houston, Texas
 Robinson, Stephen Leslie Richmond, Virginia
 Robinson, Thomas Alexander Griffin, Georgia
 Roncaglione, Carl James, Jr. Charleston, West Virginia
 Sadler, John David, Jr. Yorktown, Virginia
 Saunders, Lewis Syester, Jr. Richmond, Virginia
 Schonberger, James Steven Alexandria, Virginia
 Sebreny, Perry A. Alexandria, Virginia
 Setzer, Ward Delaney Hickory, North Carolina
 Shands, William Tyler Midlothian, Virginia
 Shelton, Mark Joel Gretna, Virginia
 Silverster, Kenneth Turner Falls Church, Virginia
 Slattum, Kevin Lee Virginia Beach, Virginia
 Smith, Jeffrey Powell Richmond, Virginia
 Snead, Benjamin Tillman Charlotte, North Carolina
 Soltany, Mark Fairfax, Virginia
 Sorah, Charles Clifton Richmond, Virginia
 Sprain, Robert Henry, Jr. Birmingham, Alabama
 Stallings, Phillip Woodward Yorktown, Virginia
 Standing, James Ashmore Virginia Beach, Virginia
 Stedfast, Jeffrey Manss Norfolk, Virginia
 Stratton, Dwayne Everette Richmond, Virginia
 Strudwick, Frederick Nash Baltimore, Maryland
 Sublett, Robert Langhorne Lynchburg, Virginia
 Summers, Ezra Toles Norfolk, Virginia
 Sweet, Joel Eric West Jefferson, Ohio
 Tarpley, Phillip Lee Birmingham, Alabama
 Thatcher, Mark Edward Chester, Virginia
 Thomas, Brian Sutherland Richmond, Virginia
 Thomasson, Anthony Arthur Bassett, Virginia
 Tolley, Eugene Thomas III Danville, Virginia
 Tomkies, Michael Clyde Huntington, West Virginia
 Tyler, William Montague Leesburg, Virginia
 Vander Vennet, Scott Alan Newport News, Virginia
 Varner, George Thomas, Jr. Atlanta, Georgia
 Venters, Wayne Victor III Wilmington, North Carolina
 Walker, Christopher Lee Winston-Salem, North Carolina
 Walker, John Luke Alexandria, Louisiana
 Wallace, John Meredith Virginia Beach, Virginia
 Waller, David Franklin Suffolk, Virginia
 Warren, Steven Harris Covington, Virginia
 Wearmouth, William Harvey II Franklin, Virginia
 Webber, Walter Nelson III Lynchburg, Virginia
 Weitzel, Robert Donald, Jr. Bon Air, Virginia

Wertheimer, Edgar Benjamin IV Newport News, Virginia
 White, John Stuart Blackstone, Virginia
 Whitley, William Cannon Hampton, Virginia
 Wilbourne, Stuart Preston Richmond, Virginia
 Williams, Isham Rowland III Richmond, Virginia
 Williams, Louis Donnell Chesapeake, Virginia
 Williams, Richard Thurston Middleburg, Virginia
 Williamson, Mark McNeil Norfolk, Virginia
 Willis, Benjamin Johnson III Norfolk, Virginia
 Wilmer, Alexander Peter Dusseldorf, Germany
 Wilson, Martin Conway Wayne, Pennsylvania
 Word, Thomas Scott III Richmond, Virginia
 Yim, Christopher Aaron Annandale, Virginia
 Younge, Stephen Scott Lynchburg, Virginia
 Zug, Jon Robert Arlington, Virginia

SOPHOMORE CLASS

Adkins, Thomas Eggleston, Jr. Richmond, Virginia
 Alley, Gregory Scott Virginia Beach, Virginia
 Alpizar, Victor Ricardo Carol City, Florida
 Anderson, John Ryan, Jr. Virginia Beach, Virginia
 Ansell, David Clark Richmond, Virginia
 Armstrong, Eric Cameron Richmond, Virginia
 Auchmoody, Blake Paul, Jr. Richmond, Virginia
 Aulebach, Richard Clayton Chappaqua, New York
 Bedell, Warren Runcie Midlothian, Virginia
 Benson, Timothy Wayne Daleville, Virginia
 Benvissuto, Robert Anthony Bridgewater, Massachusetts
 Berry, Stuart Bruce Selma, Virginia
 Berry, Wayne Jefferson II Richmond, Virginia
 Blake, Edward Elza Virginia Beach, Virginia
 Boross, John Michael Hightstown, New Jersey
 Bowles, Charles Phillips III Richmond, Virginia
 Boyce, John Trevor Pittsburgh, Pennsylvania
 Braithwaite, James Brock Virginia Beach, Virginia
 Breiner, Michael Joseph Great Falls, Virginia
 Brewer, Mark Elliott Winston-Salem, North Carolina
 Brittigan, David McClellan Lexington, Virginia
 Britton, Theodore III McLean, Virginia
 Brogan, Michael Alan Roanoke, Virginia
 Brower, James Oris Shaw IV Orange, Connecticut
 Brown, Christian Trousdale Metairie, Louisiana
 Buchanan, John Gatewood III Charlottesville, Virginia
 Burns, Steven Rainey Winchester, Virginia
 Butler, Corydon Baylor, Jr. Norfolk, Virginia
 Byers, Archer Dane Keswick, Virginia
 Cain, James Edward Richmond, Virginia
 Cain, William Spencer Gastonia, North Carolina
 Campbell, William Scott Charleston, West Virginia
 Cannady, William Keith Virginia Beach, Virginia
 Canody, Tony Marsella Danville, Virginia
 Carlucci, Jeffrey Van Chesapeake, Virginia
 Carr, William Hopkins Portsmouth, Virginia
 Carter, Scott Haskel Vinton, Virginia
 Chambers, Theodore Phillips Baltimore, Maryland
 Chevalier, Michael Robert Concord, Virginia
 Christian, James Gerard New Orleans, Louisiana
 Clark, John Edwin Danville, Virginia
 Clarke, Alexander Mallory, Jr. Richmond, Virginia
 Collins, Paul Nicholson Virginia Beach, Virginia
 Condrety, James Alfred Lee Virginia Beach, Virginia
 Cook, Huestis Pratt III Richmond, Virginia
 Cook, Joseph Douglas Wilmington, Delaware
 Cottrell, Thomas Swepton Richmond, Virginia
 Craddock, John Wimbish Lynchburg, Virginia
 Crenshaw, William Burwell Richmond, Virginia
 Crews, John Edward Danville, Virginia
 Crittenden, Gill Thaxton Richmond, Virginia

Cruise, Mark Robert	Succasunna, New Jersey	Knott, Steven Walper	West Point, Virginia
Cunningham, Hugh Carleton III	Farmville, Virginia	Knutsen, Mark Dixon	Dix Hills, New York
Currie, Gregory Alan	Roanoke, Virginia	Lass, Timothy John	Norfolk, Virginia
Davenport, John Robert	Greensboro, North Carolina	Laughlin, Peter Scott	Newport News, Virginia
David, Ronald Bryan	Richmond, Virginia	Lawrence, David Lee	Richmond, Virginia
Davis, Charles Randall	Lynchburg, Virginia	LeCompte, William Harvey	Richmond, Virginia
Davis, Frederick Stephen	Bethesda, Maryland	Lee, Hyun Suk	Mitchellville, Maryland
Deaton, Mark Allan	Martinsville, Virginia	Lee, William Raphael	Newport News, Virginia
DeMuth, Murray Ringgold Perkins	Baltimore, Maryland	Leggett, Richard Preston	Brookneal, Virginia
Dibos, Luis Andres	Towson, Maryland	Liles, George Welch, Jr.	Concord, North Carolina
Donovan, David William	Framingham, Massachusetts	Longerbeam, Benjamin Drew	Berryville, Virginia
Dougherty, Shawn Patrick	Linwood, Pennsylvania	Manley, James Derek	Powhatan, Virginia
Duffey, Peter Sinclair	Franklin, Virginia	Martin, Stephen Douglas-Lankford	Pepper Pike, Ohio
Dunbar, Brian Holt	Roanoke, Virginia	McClung, Lewis Burwell	Salem, Virginia
Edmunds, William McIlwaine	McKenney, Virginia	McClung, Thomas Graves	Salem, Virginia
Fisher, Nelson Howard	Wilsons, Virginia	McDonough, Joseph John, Jr.	Norwood, Massachusetts
Fitzwater, Kirby Selden	Richmond, Virginia	McGann, Bryant Clark	Norfolk, Virginia
Fore, Scott William	Wytheville, Virginia	McGarry, Richard Lawrence	Roanoke, Virginia
Fozo, Paul Robert, Jr.	Virginia Beach, Virginia	McGee, James Lloyd, Jr.	Winston-Salem, North Carolina
Garcia, Michael John	Vienna, Virginia	McMullen, Michael	Trenton, New Jersey
Gardner, Scott David	Millbury, Massachusetts	McPhillips, Charles Vincent	Norfolk, Virginia
Gerloff, Richard Girard	Virginia Beach, Virginia	Milam, Bruce Vincent	Emporia, Virginia
Gibson, John Livingston III	Norfolk, Virginia	Miller, Scott Frederick	Richmond, Virginia
Gilbride, Scott Stephen	Fairfax Station, Virginia	Miller, Thomas Harlan	Harrisonburg, Virginia
Gillach, Joseph Patrick	Arvada, Colorado	Miller, William Harris, Jr.	Fork Union, Virginia
Goddin, John Oliver	Alexandria, Virginia	Mills, Leonard Orion	Olney, Maryland
Goodman, Scott Campbell	Atlanta, Georgia	Moeller, Michael Weilage	Salem, Virginia
Gordon, Curtis Dudley	Richmond, Virginia	Moore, Emmett Kyle	Norfolk, Virginia
Gray, Frank Bradley, Jr.	Fredericksburg, Virginia	Moore, James Harvey	Drakes Branch, Virginia
Green, William Eugene, Jr.	Phenix, Virginia	Morgan, Joseph Knight	Gloucester, Virginia
Gresham, Paul Edward	Midlothian, Virginia	Morrisett, Richard Anthony	Richmond, Virginia
Grubbs, Robert Warner, Jr.	Winston-Salem, North Carolina	Mullen, Michael Patrick	Santa Barbara, California
Gunn, Michael Lee	Virginia Beach, Virginia	Munce, William Crowle	Staunton, Virginia
Gunter, David Edgar	Charlottesville, Virginia	Munford, Charles Conway	Franklin, Virginia
Gurley, James Benjamin	Roanoke, Virginia	Mustin, Thomas Russell	Alexandria, Virginia
Hampshire, Gifford Ray	Fairfax, Virginia	Newcomb, Robert Thomas	Raleigh, North Carolina
Harris, Dwight Richard II	Columbus, Ohio	Newman, William Crenshaw IV	Richmond, Virginia
Harris, William Claiborne	Rocky Mount, North Carolina	Norcross, Gary Wayne	Waynesboro, Virginia
Heflin, William Randolph	Fredericksburg, Virginia	Norman, William Kemp III	Yemassee, South Carolina
Hellams, Ralph D., Jr.	Richmond, Virginia	Normann, Frank Barret	Metairie, Louisiana
Heppner, David Alexander Spotswood	Lynchburg, Virginia	Norris, Kevin Anthony	Moscow, Pennsylvania
Hobbs, William Galen, Jr.	Newport News, Virginia	Oakes, Charles Gordon	Winchester, Virginia
Hodges, Frank Terry	Roanoke, Alabama	Pace, Jon Andrew	Salem, Virginia
Holland, Jeffrey Sterling	Charlottesville, Virginia	Park, Jesse Kitai	North East, Maryland
Hollingsworth, David Samuel, Jr.	Roanoke, Virginia	Parks, Raymond Douglas	Mableton, Georgia
Holloway, Charles Fisher	Virginia Beach, Virginia	Payne, Maxwell Carr III	Atlanta, Georgia
Hooker, Edmond Anderson	Richmond, Virginia	Pedlow, Thomas Hunter	Richmond, Virginia
Hubbard, Kevin Loren	Virginia Beach, Virginia	Perdue, Alton Hay, Jr.	Amelia, Virginia
Hudson, Forrest Christopher	Richmond, Virginia	Phillips, David Roger	Midlothian, Virginia
Huffman, Neil Darren	Covington, Virginia	Piland, Mills Jordon	Bowling Green, Virginia
Hummel, David Paul	Fayetteville, New York	Pritchett, Charles Edward	Bluefield, Virginia
Hunnicutt, Thomas Warren	Hampton, Virginia	Rawles, Benjamin Watkins	Richmond, Virginia
Hunter, Roszell Dulany IV	Suffolk, Virginia	Remick, Robert Worthington	Norfolk, Virginia
Hylton, James Neal	Pulaski, Virginia	Richards, Joseph Dickson	Davidson, North Carolina
James, Alan Paul	Clifton Forge, Virginia	Riedlin, John Eric	Rockville, Maryland
James, Edwin Nelson	Lynchburg, Virginia	Roberts, William Jeffrey	Crewe, Virginia
Janney, Allyn Gardner, Jr.	Richmond, Virginia	Robinson, Frederick McArthur	Richmond, Virginia
Jeffer, Gavin David	Durham, North Carolina	Rogers, Reginald Trice	Macon, Georgia
Jenks, John Maher	Richmond, Virginia	Ross, David Edward	Hopewell, Virginia
Jervey, Charles Thompson	Radford, Virginia	Ruffin, Rodney Powell	Baltimore, Maryland
Jordan, Alexander Ranlett	Richmond, Virginia	Rummel, Richard Matthew	Tomahawk, Wisconsin
Kampfmuller, Christopher Todd	Virginia Beach, Virginia	Russell, Daniel Lindsay	Fort Smith, Arkansas
Kay, John Franklin III	Richmond, Virginia	Salsbery, Gary Stuart	Alexandria, Virginia
Kellam, Richard Edgar	Belle Haven, Virginia	Schuster, Kent Edward	Richmond, Virginia
Kelley, Lewis Dwight, Jr.	Richmond, Virginia	Shope, Eddie Lee III	Mechanicsville, Virginia
Kelley, Paul Thomasson	West Point, Virginia	Simpson, William DeForest	Winston-Salem, North Carolina
King, Clark, Jr.	Lexington, Virginia	Smith, Parke Burwell	Richmond, Virginia
Kirkpatrick, Bard Gould	Petersburg, Virginia	Smithers, William Sinclair III	Richmond, Virginia
Knight, Benjamin Franklin III	Lynchburg, Virginia	Staab, Kenneth Edward	Chapel Hill, North Carolina
Knight, Timothy Benton	Bena, Virginia	Stabel, Thomas John	Virginia Beach, Virginia

Stackhouse, Stephen Morton Norfolk, Virginia
 Standing, Patrick Leigh, Jr. Virginia Beach, Virginia
 Stevens, Jack O'Neil, Jr. Norfolk, Virginia
 Stickley, Robert Palmer III Lynchburg, Virginia
 Sydnor, Thomas Emmett Charlottesville, Virginia
 Taylor, Hubert Shands III Richmond, Virginia
 Terrell, Prescott Carter, Jr. Lynchburg, Virginia
 Thalman, Thomas David Lexington, Virginia
 Thatcher, David John Chester, Virginia
 Thomas, Jeffrey Alan Collinsville, Virginia
 Thomas, John Richard Oakton, Virginia
 Thompson, William Accra, Ghana
 Trespacz, Randall Louis Framingham, Massachusetts
 Wallace, Sean Daniel Bowie, Maryland
 Waller, Michael Wade Pulaski, Virginia
 Ward, Heman Clifford Rockville, Maryland
 Warner, John Francis, Jr. Richmond, Virginia
 Waters, Glenn Davenport Richmond, Virginia
 Webb, Mark Maynard Jackson St. Simons Island, Georgia
 Wertz, Geoffrey Allan Virginia Beach, Virginia
 Western, Larry Gene Vinton, Virginia
 Wideman, Dirk Arthur Ashland, Virginia
 Williford, James Archie Richmond, Virginia
 Wilson, Robert Jay Lewistown, Pennsylvania
 Wood, Brian Edwin Richmond, Virginia
 Worrell, David Ammen II Radford, Virginia
 Wright, Marc Anthony Richmond, Virginia
 Wright, Richard A. Miami, Florida

JUNIOR CLASS

Atwill, Edward Bennett Richmond, Virginia
 Ball, George Gill, Jr. Virginia Beach, Virginia
 Bass, William Dudley Rice, Virginia
 Berg, Patrick Wayne Orange Park, Florida
 Blackwell, Kevin Dale Dolphin, Virginia
 Boucher, Brian William Chesapeake, Virginia
 Bradshaw, William James, Jr. Buckingham, Virginia
 Brown, Edward Farrow Mechanicsville, Virginia
 Bullard, John Bunyan III Richmond, Virginia
 Burks, Gordon Elmo III Richmond, Virginia
 Capocelli, Sergio Richmond, Virginia
 Carney, Richard Lee III Virginia Beach, Virginia
 Carothers, William Douglas M. III Farmville, Virginia
 Carrington, William Addison Lynchburg, Virginia
 Cash, James Richard Churchville, Virginia
 Catlett, Thomas Yates Richmond, Virginia
 Caton, Christopher Edward Virginia Beach, Virginia
 Clark, Mark Morgan Kilmarnock, Virginia
 Coleman, James Bruce Dublin, Virginia
 Cox, Parke Hunter III Chesapeake, Virginia
 Cumbe, Thomas Edward Farmville, Virginia
 Currie, William Robert Roanoke, Virginia
 Curtis, Thomas Webster North Springfield, Virginia
 D'Agata, Michael Charles South Boston, Virginia
 Daly, Clark Jeffrey Richmond, Virginia
 Davis, Thomas Martin Richmond, Virginia
 Denham, Douglas Scott Winchester, Virginia
 Doummar, Richard Habib Virginia Beach, Virginia
 Driskill, William Shearer Lynchburg, Virginia
 Edwards, Anthony Michael Chester, Virginia
 Eggleston, Sam Daniel III Lovingson, Virginia
 Eidson, Arlen Glenn, Jr. Virginia Beach, Virginia
 Emerick, Paul Theodore Triangle, Virginia
 Farthing, Stephen Daniel Danville, Virginia
 Fay, Richard Michael Spartanburg, South Carolina
 Ferrara, Martin Ellerbe Charleston, South Carolina

Fitzpatrick, Timothy Martin Wilmington, Delaware
 Fletcher, David Harry St. Albans, West Virginia
 Fox, Preston Stuart Charlottesville, Virginia
 Freeman, William Long Charlottesville, Virginia
 Gammon, Tracy Watkins Reidsville, North Carolina
 Good, Russell Warden Midlothian, Virginia
 Gormly, Matthew Edward III Encino, California
 Greer, Billy Louis Virginia Beach, Virginia
 Haley, Gregory Joseph Roanoke, Virginia
 Hancock, William Joseph Winchester, Virginia
 Harrison, William Edward Birmingham, Alabama
 Haw, David Morrison Richmond, Virginia
 Hayes, Richard Burton III Augusta, Georgia
 Hoke, James Michael Richmond, Virginia
 Huddle, David Franklin Fredericksburg, Virginia
 Huskey, Daniel Alan Farmville, Virginia
 Jervey, William Altvater Franklin, Virginia
 Jones, Robert Grady Concord, Virginia
 Jones, William David Hinckley, Ohio
 Joynes, Louis Napoleon II Virginia Beach, Virginia
 Karo, William Andrew Richmond, Virginia
 Keesling, John Carl Sterling, Virginia
 Key, Phillip Winfrey Danville, Virginia
 Kilgour, Kenneth Litton Leesburg, Virginia
 Kyle, Johathan Lee Ashland, Virginia
 Lawler, Douglas Reed, Jr. Sunrise, Florida
 Leach, Michael Keith Glasgow, Virginia
 Leach, William Kendall, Jr. Glasgow, Virginia
 Levering, Cary Cooper Richmond, Virginia
 Lewis, John Bolling III Richmond, Virginia
 Long, William Martin Newport News, Virginia
 Macaulay, Angus Philip Charlottesville, Virginia
 Mack, Edward Tinsley Orange, Virginia
 Mahoney, Robert Kevin Chesapeake, Virginia
 Manger, Walter E. Alexandria, Virginia
 Mastropaolo, Jonathan D. Falls Church, Virginia
 McCulloch, Orgain Edward III North Palm Beach, Florida
 McKenney, Malcolm Stuart, Jr. Richmond, Virginia
 Mikell, William Gaillard, Jr. Wilmington, Delaware
 Molster, John Sanford Richmond, Virginia
 Moorhead, Scott Logan Lexington, Virginia
 Morgan, William Hunter, Jr. Sunbury, North Carolina
 Morris, Reginald Philip Chester, Virginia
 Nexsen, Walter Randolph Lynchburg, Virginia
 Noftsinger, Dabo Clifton West Point, Virginia
 Norrington, George Dyer Virginia Beach, Virginia
 Pananas, Jonathan Socrates Orange, Virginia
 Parker, Richard Carlyle Atlanta, Georgia
 Parker, Wilbert Joel Danville, Virginia
 Patterson, Lowell Horace III Hampton, Virginia
 Payne, Andrew Allemon III Charleston, West Virginia
 Peterson, Mitchell Paul Arnold, Maryland
 Pollock, Andrew Jesse Norfolk, Virginia
 Porterfield, David Latimer Winchester, Virginia
 Quarles, Foster Kevin Hampton, Virginia
 Quinn, Warren Arthur Kingsville, Maryland
 Randolph, Philip Ruffin Mechanicsville, Virginia
 Reed, Randy Wayne Richmond, Virginia
 Revell, Everett Carroll, Jr. Onley, Virginia
 Revercomb, Randolph Chapman Roanoke, Virginia
 Rhea, Michael Anthony Farmville, Virginia
 Rhodes, John Richard Presque Isle, Maine
 Ritsch, Frederick Field III Spartanburg, South Carolina
 Roberts, William Shackelford Richmond, Virginia
 Robertson, James Edward Burkeville, Virginia
 Robertson, Theodore Andrew Richmond, Virginia
 Rodman, Judson Howard, Jr. Portsmouth, Virginia
 Rogers, John Charles Virginia Beach, Virginia
 Rose, Robert John Chesapeake, Virginia
 Ross, Robert Douglas Severna Park, Maryland

Rowe, Andrew Carlton, Jr. Mechanicsville, Virginia
 Rummel, Mark Christopher Tomahawk, Wisconsin
 Sadighian, Zabih Jessee South Hill, Virginia
 Salazar, Vincent Delfin Fairfax, Virginia
 Salsbery, Lee Kent Alexandria, Virginia
 Schein, Daniel Bradley Norfolk, Virginia
 Schoonover, Jon Robert Abilene, Texas
 Schuessler, Wesley Roanoke, Alabama
 Schumacher, Michael George Charleston, West Virginia
 Screven, John Slade Birmingham, Alabama
 Shelly, William Allen Hampton, Virginia
 Shepherd, Robert Jackson Roanoke, Virginia
 Silvester, Donald Wilhelm Falls Church, Virginia
 Sims, Christopher Lee Hyattsville, Maryland
 Smith, Martin Clyde Danville, Virginia
 Snead, Lawrence Rucker III Bedford, Virginia
 Snidow, Robert English Lynchburg, Virginia
 Springer, Joseph Reese Warrenton, Virginia
 Stephenson, William Cowell IV Roanoke, Virginia
 Stiebel, Christopher Miles Richmond, Virginia
 Stokes, Gordon Kavanaugh Norfolk, Virginia
 Stutts, Robert Lawrence Franklin, Virginia
 Suter, Owen Edward III Richmond, Virginia
 Talley, Gerald Spencer, Jr. Richmond, Virginia
 Taylor, Joseph Dodson Virginia Beach, Virginia
 Thompson, James Christian, Jr. Richmond, Virginia
 Thompson, James King, Jr. Mechanicsville, Virginia
 Thompson, Warren Michael Windsor, Virginia
 Varboncoeur, Francis Gary West Point, Virginia
 Vincent, Harry Benjamin, Jr. Emporia, Virginia
 Vranian, Steven Craig Richmond, Virginia
 Ware, Richard Lee Richmond, Virginia
 Watkins, Franklin Parker, Jr. Richmond, Virginia
 Weaver, James Burgess Martinsville, Virginia
 Webb, Dwight Marvin Richmond, Virginia
 Wells, Michael Stanford Danville, Virginia
 West, David John Chesapeake, Virginia
 Wilcox, Thomas Floyd Charleston, West Virginia
 Wildman, Walter Davis Newport News, Virginia
 Williams, Craig Caldwell Dinwiddie, Virginia
 Willis, Richard Turner Pratt Fredericksburg, Virginia
 Wilson, Norwood William III Hopewell, Virginia
 Wirth, Gordon Wolfgang Salem, Virginia
 Wootton, Frank Taylor III Virginia Beach, Virginia
 Wyeth, Peter Lydon Spring, Texas

SENIOR CLASS

Ackermann, Michael Friedrich Ludwigshafen/RH,
 West Germany
 Adams, James Edward Brookneal, Virginia
 Alexander, James Moffatt III Fairfax, Virginia
 Alloway, Jeffrey A. Cincinnati, Ohio
 Anderson, Phillip Verne Chatham, Virginia
 Appich, Donald Leland, Jr. Richmond, Virginia
 Atha, Alan Paul Shawnee Mission, Kansas
 Atkinson, Jonathan Garland Richmond, Virginia
 Babashak, James Vincent Falls Church, Virginia
 Baker, Philip Bruce Franklin, Virginia
 Barnhill, Ray Curtis Hampton, Virginia
 Barrs, David Ernest Newport News, Virginia
 Bateman, Herbert Harvell, Jr. Newport News, Virginia
 Batliner, Ronald Virginia Beach, Virginia
 Beale, Kevin Lee Richmond, Virginia
 Beecroft, Morris Bryan III Newport News, Virginia
 Best, Marcellus James, Jr. Goldsboro, North Carolina
 Boatwright, Donald Jeffrey Roanoke, Virginia
 Boze, Edward Scott III Richmond, Virginia
 Bradner, Joseph Pendleton Midlothian, Virginia

Brierre, Roland Theodore III Richmond, Virginia
 Brilliant, Patrick David Chesapeake, Virginia
 Brown, Edward Dalton Darien, Connecticut
 Brown, William Denis IV Monroe, Louisiana
 Buchanan, George Conway Bristol, Tennessee
 Burge, Frank Tucker Birmingham, Alabama
 Burgess, David William Sedley, Virginia
 Burke, John Duke Richmond, Virginia
 Butler, Herbert J. Charleston, South Carolina
 Cann, Brian Mitchell Richmond, Virginia
 Cash, Richard Everett Lynchburg, Virginia
 Chiotti, Jean Yves Salon, France
 Claybrook, Dewey Wayne Lynchburg, Virginia
 Coffield, Steven Joseph Richmond, Virginia
 Corey, John Edwin South Charleston, West Virginia
 Cox, Robert Young South Boston, Virginia
 Craft, William Robert Lee III Christiansburg, Virginia
 Crouch, Donald Ray Bedford, Virginia
 Crow, David Miller Salem, Virginia
 Darden, William Dunlap Salt Lake City, Utah
 Dickinson, William Andrew III Virginia Beach, Virginia
 Dietz, Charles Miller, Jr. Richmond, Virginia
 Dodd, Ralph Wesley Cape Charles, Virginia
 Duffer, Randolph Lee III Keysville, Virginia
 Durham, Lucian Archambault III Roanoke, Virginia
 Edwards, William Henry, Jr. Montross, Virginia
 Face, James Michael Richmond, Virginia
 Fararo, John Joseph, Jr. Hightstown, New Jersey
 Ficklen, Fitz-Hugh Conway Wilmington, North Carolina
 Fischer, Ronald Luis, Jr. Chester, Virginia
 Fox, William Trent, Jr. Capron, Virginia
 Francis, Robert Ford Charleston, West Virginia
 Fuller, Drew Robinson, Jr. Atlanta, Georgia
 Garner, Thomas Arthur Lynchburg, Virginia
 Godbold, Frank Blackwell III South Boston, Virginia
 Gray, Thomas Paul, Jr. Baltimore, Maryland
 Grover, Robert Ellis Staunton, Virginia
 Hardy, William Edward Richmond, Virginia
 Hare, Ransom Bryant, IV Forest, Virginia
 Hargrove, Stewart Robertson Beaverdam, Virginia
 Harris, David Wayne Glen Allen, Virginia
 Harris, James Selden, Jr. Blackstone, Virginia
 Harris, Robert Charles Powell South Boston, Virginia
 Haugh, David Roberts Charlottesville, Virginia
 Holder, David Wayne Sterling, Virginia
 Holston, Walter Brown Lynchburg, Virginia
 Horkan, George Anthony III Middleburg, Virginia
 Howlett, Bobby Lewis, Jr. Norfolk, Virginia
 Huff, Leigh Preston, Jr. Roanoke, Virginia
 Hull, William Vance Norfolk, Virginia
 Hunt, Albert Monroe, Jr. Springfield, Virginia
 Hunter, Edward Sidney III Virginia Beach, Virginia
 Irby, John Poindexter IV Raleigh, North Carolina
 Jervey, James Drewry Franklin, Virginia
 John, James Edward III Charlottesville, Virginia
 Johnston, David King Pearisburg, Virginia
 Jordan, Daymon Roy Athens, Georgia
 Kasun, John Matthew Fairfax, Virginia
 Kavit, Gary Stuart Richmond, Virginia
 Keefer, Robert Franklin Lynchburg, Virginia
 Keeley, Thomas Patrick Roanoke, Virginia
 Keena, Timothy Erich Vienna, Virginia
 Kerns, Trent Sydnor Richmond, Virginia
 Kirby, Wade H. O. Claremont, Virginia
 Kiser, Marshal Kent Bluefield, West Virginia
 Knight, Benjamin Franklin III Lynchburg, Virginia
 Laux, Jerome Eugene Norfolk, Virginia
 Leach, William Chalmers Leesburg, Virginia
 Long, Christopher Shepherd Richmond, Virginia
 Maxa, Timothy Scott Charlottesville, Virginia

McElwee, Douglas Carleton	Charleston, West Virginia	Sherrod, Stanley Marc	Sanford, North Carolina
Mell, John Aldous	Charlotte, North Carolina	Shipp, Andrew Rucker	Bedford, Virginia
Miles, William Scherer	Richmond, Virginia	Sigler, Stewart Marshall	Lynchburg, Virginia
Modlin, Robert Christian	Smithfield, Virginia	Slack, Daniel Martin	Hickory, North Carolina
Moore, Charles Ferrell, III	Norfolk, Virginia	Smith, Timothy Andrew	Roanoke, Virginia
Morris, Mark John	Richmond, Virginia	Sparrow, James Callen	Birmingham, Alabama
Nappo, Neil Edmund	Falls Church, Virginia	Stokes, John Randolph	Norfolk, Virginia
Newell, William Willard	Danville, Virginia	Terry, John Clark	Peterstown, West Virginia
Newton, David Emory	Richmond, Virginia	Thomas, Vincent Graves	Norfolk, Virginia
Ogle, David Gordon	Forest, Virginia	Thompson, Mark Wootton	Atlanta, Georgia
Oliver, Mark Hunter	Roanoke, Virginia	Thornton, Michael Alexander	Forest, Virginia
Outten, Joseph Fendall, Jr.	Greenville, South Carolina	Tignor, Keith Randall	Richmond, Virginia
Overton, John Gregory	Richmond, Virginia	Tindall, Russell Glenn	Richmond, Virginia
Owens, Edward	South Boston, Virginia	Trainum, Michael W.	Arlington, Virginia
Pantele, William James	Richmond, Virginia	Tribble, Waring, Jr.	Dunnsville, Virginia
Patterson, Mark Whitehead	Lynchburg, Virginia	Turner, James Michael	Lewisburg, West Virginia
Plunkett, William Gordon	Virginia Beach, Virginia	Tyler, John Alan	Richmond, Virginia
Poehler, Dennis Christopher	Richmond, Virginia	Unger, Daniel Vernon	Dunwoody, Georgia
Power, John Maynard	Norfolk, Virginia	Utt, James Warren, Jr.	Roanoke, Virginia
Preas, George Robert, II	Roanoke, Virginia	Warinner, Edwin Douglas, Jr.	Richmond, Virginia
Price, Douglas Sumpter, Jr.	Gretna, Virginia	Watson, David Paul	Virginia Beach, Virginia
Richards, James Ronald	Lynchburg, Virginia	Wayt, James Twyman	Atlanta, Georgia
Richards, Mark Irvin	Roanoke, Virginia	Whealton, Edward Gordon, Jr.	Virginia Beach, Virginia
Rosebro, Robert Rutherford	Richmond, Virginia	White, David Ellington	Charles City, Virginia
Saunders, Amos Charles, Jr.	Totowa Boro, New Jersey	Whitehead, James Arthur, Jr.	Portsmouth, Virginia
Schrum, Owen Lester, III	Providence, North Carolina	Witt, Brian Kendall	Lynchburg, Virginia
Senter, Frederick Forrest	Raleigh, North Carolina	Wyatt, Dale Ricky	Alexandria, Virginia
Shaner, Mitchell Dahl	Lexington, Virginia	Yates, Mark Edwin	Nathalie, Virginia
Shelnut, Willie Robert, II	Lynchburg, Virginia	Ziglar, Joseph Maxton, Jr.	Hampton, Virginia

*Exchange students from other colleges under the College Consortium Plan (see page 23).

Number of Students by States and Foreign Countries — 1979-80

Virginia	551
North Carolina	39
Maryland	23
Georgia	15
South Carolina	11
West Virginia	11
Alabama	10
Pennsylvania	9
New Jersey	7
New York	7
Florida	6
Massachusetts	6
Ohio	6
Delaware	5
Louisiana	5

Texas	4
Tennessee	3
California	2
Connecticut	2
Wisconsin	2
Arkansas	1
Colorado	1
Illinois	1
Kansas	1
Kentucky	1
Maine	1
New Hampshire	1
Utah	1
France	1
Ghana	3
Malaysia	1
West Germany	2

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